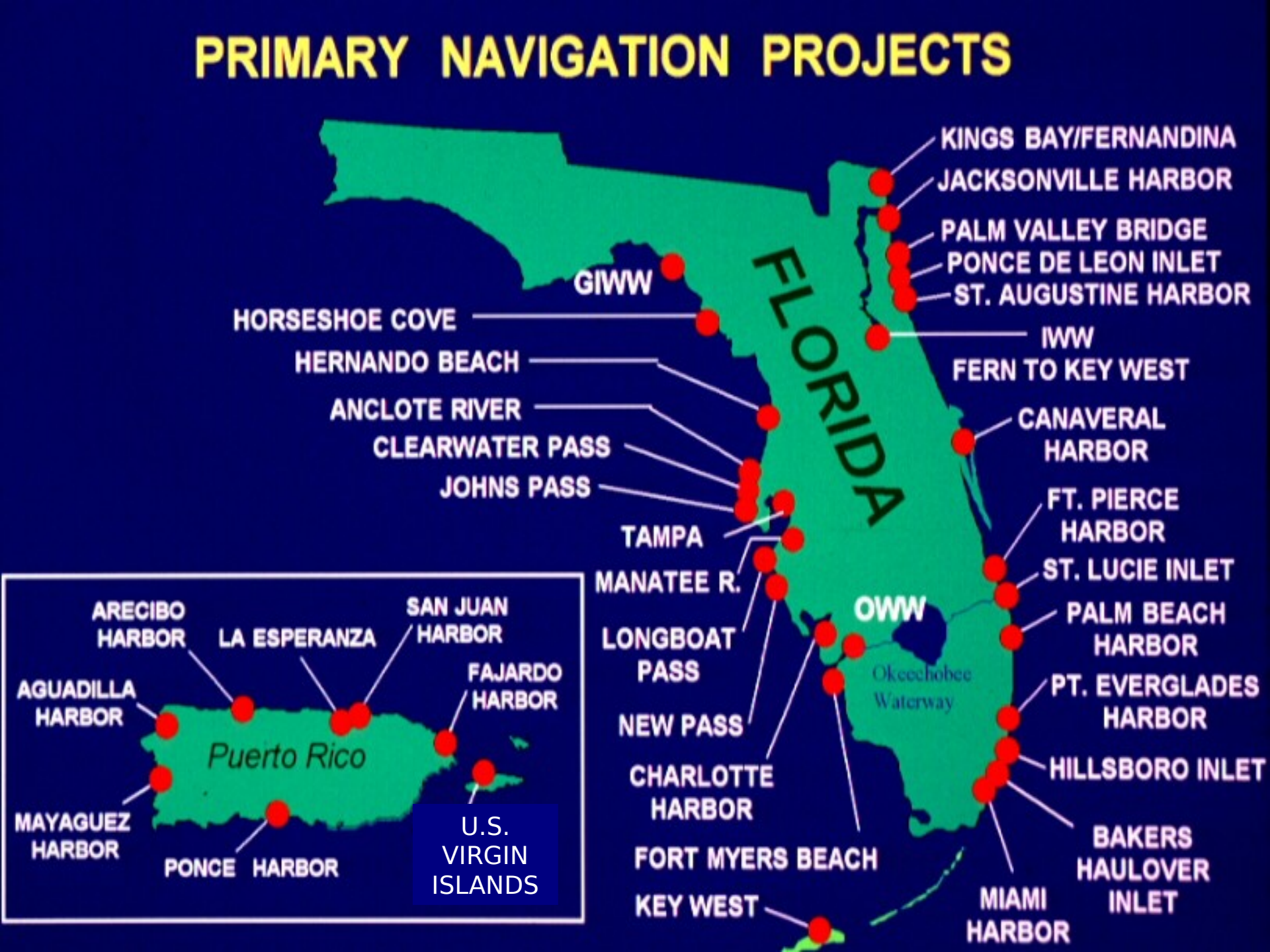
Jacksonville District

U.S. Army Corps of Engineers

# WEDA

# FY07 Dredging Schedule

Dan Beasley


PRIMARY NAVIGATION PROJECTS
KINGS BAY/FERNANDINA
JACKSONVILLE HARBOR
PALM VALLEY BRIDGE
PONCE DE LEON INLET
ST. AUGUSTINE HARBOR
IWW
FERN TO KEY WEST
CANAVERAL HARBOR
FT. PIERCE HARBOR
ST. LUCIE INLET
PALM BEACH HARBOR
PT. EVERGLADES HARBOR
HILLSBORO INLET
BAKERS HAULOVER INLET
MIAMI HARBOR
KEY WEST
FORT MYERS BEACH
CHARLOTTE HARBOR
NEW PASS
LONGBOAT PASS
MANATEE R.
TAMPA
JOHNS PASS
CLEARWATER PASS
ANCLOTE RIVER
HERNANDO BEACH
HORSESHOE COVE
GIWW
FLORIDA
OWW
Okeechobee Waterway
ARECIBO HARBOR
LA ESPERANZA
SAN JUAN HARBOR
FAJARDO HARBOR
AGUADILLA HARBOR
Puerto Rico
MAYAGUEZ HARBOR
PONCE HARBOR
U.S. VIRGIN ISLANDS

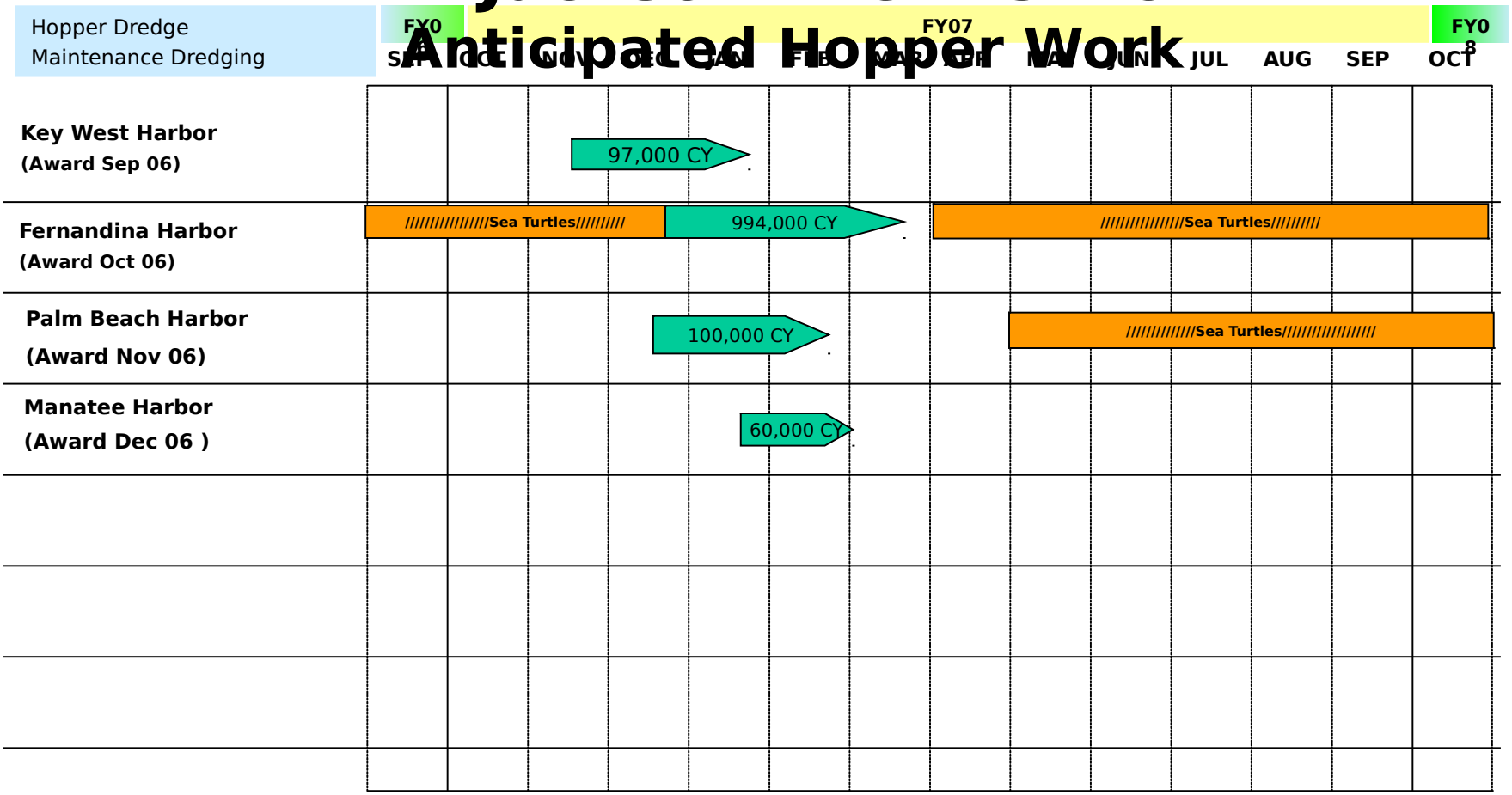
US Army Corps of Engineers®
Jacksonville District

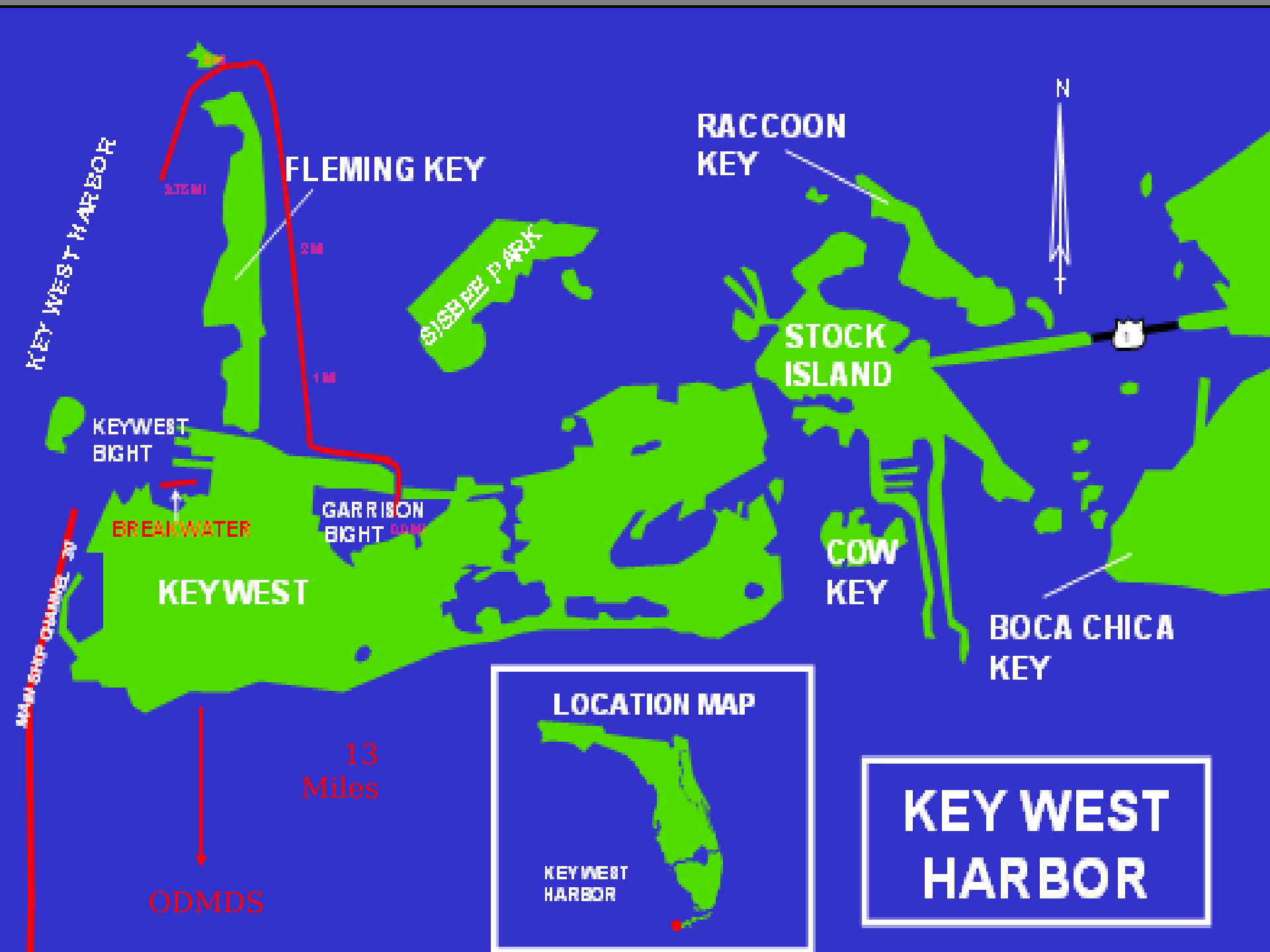
# Overview of SAJ FY07 Dredging Projects

US Army Corps of Engineers ®

# Scheduled FY07 Dredging Work in Jacksonville District

## Anticipated Hopper Work




KEY WEST HARBOR
FLEMING KEY
RACCOON KEY
SIGSBEE PARK
STOCK ISLAND
N
KEYWEST BIGHT
BREAKWATER
GARRISON BIGHT
KEYWEST
COW KEY
BOCA CHICA KEY
13 Miles
ODMDS
LOCATION MAP
KEYWEST HARBOR
KEY WEST HARBOR

# Key West Harbor

**Project: Key West Harbor**

Type Work: Maintenance Dredging

Depth: 34 Feet

Width: Ranges from 100 to 2,000 feet

Length: 8 Miles

Quantity: 97,000 CY

Type of Material: Sand and Silt

Placement Area: ODMDS

Distance to Placement Area: 11 Miles

Type of Equipment: Hopper

Small business Set Aside: No, unrestricted

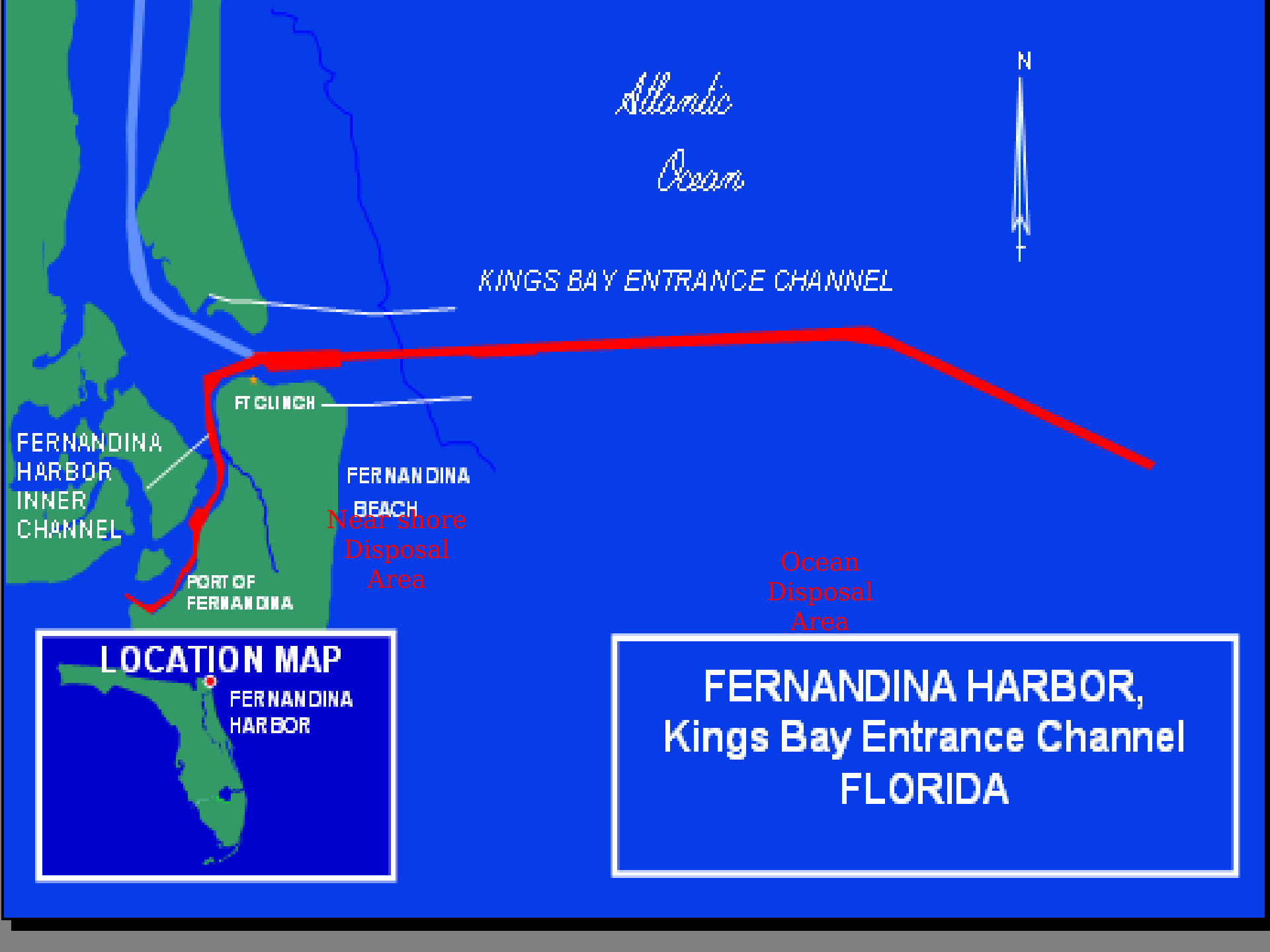
Last Dredged: 2005

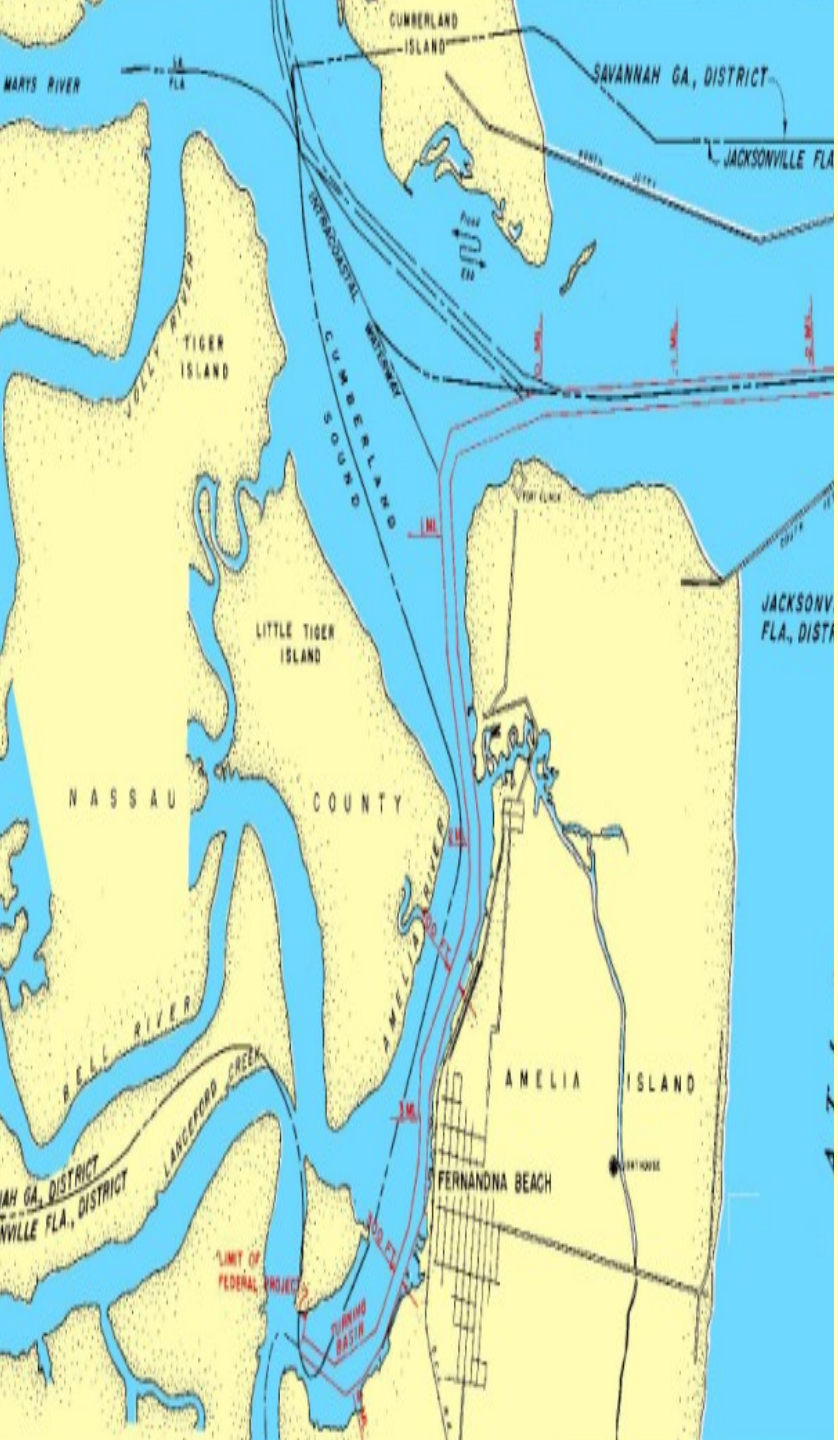
Environmental Window: No

FY 07 Funding: Between $1M and $5M

Award Date: 23 September 2006

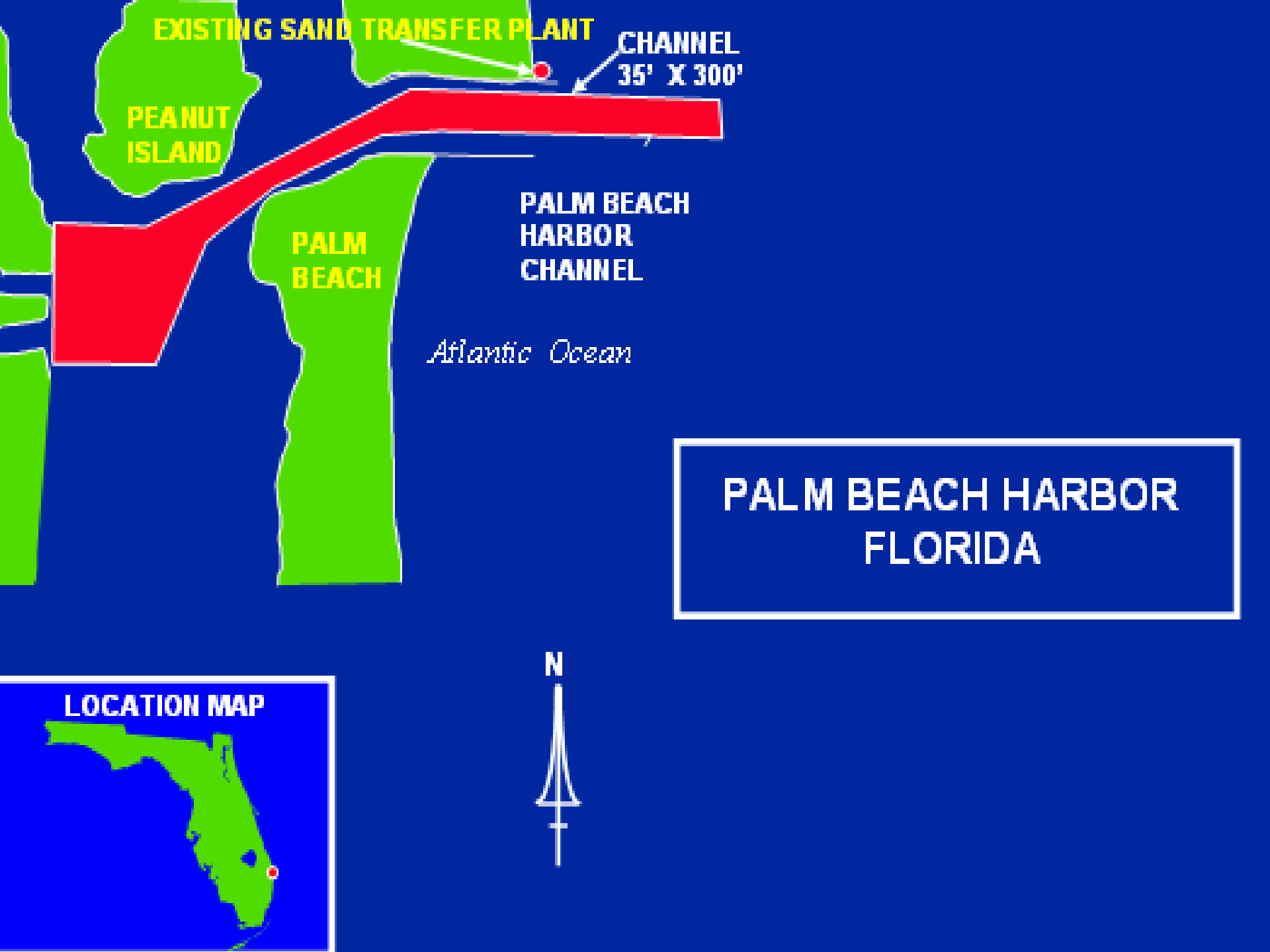
Dredging Begins: 15 November 2006


Atlantic
Ocean
N
KINGS BAY ENTRANCE CHANNEL
FT CLINCH
FERNANDINA
HARBOR
INNER
CHANNEL
FERNANDINA
BEACH
Near shore
Disposal
Area
PORT OF
FERNANDINA
Ocean
Disposal
Area
LOCATION MAP
FERNANDINA
HARBOR
FERNANDINA HARBOR,
Kings Bay Entrance Channel
FLORIDA




**Project: Fernandina Harbor, Kings Bay Entrance Channel**

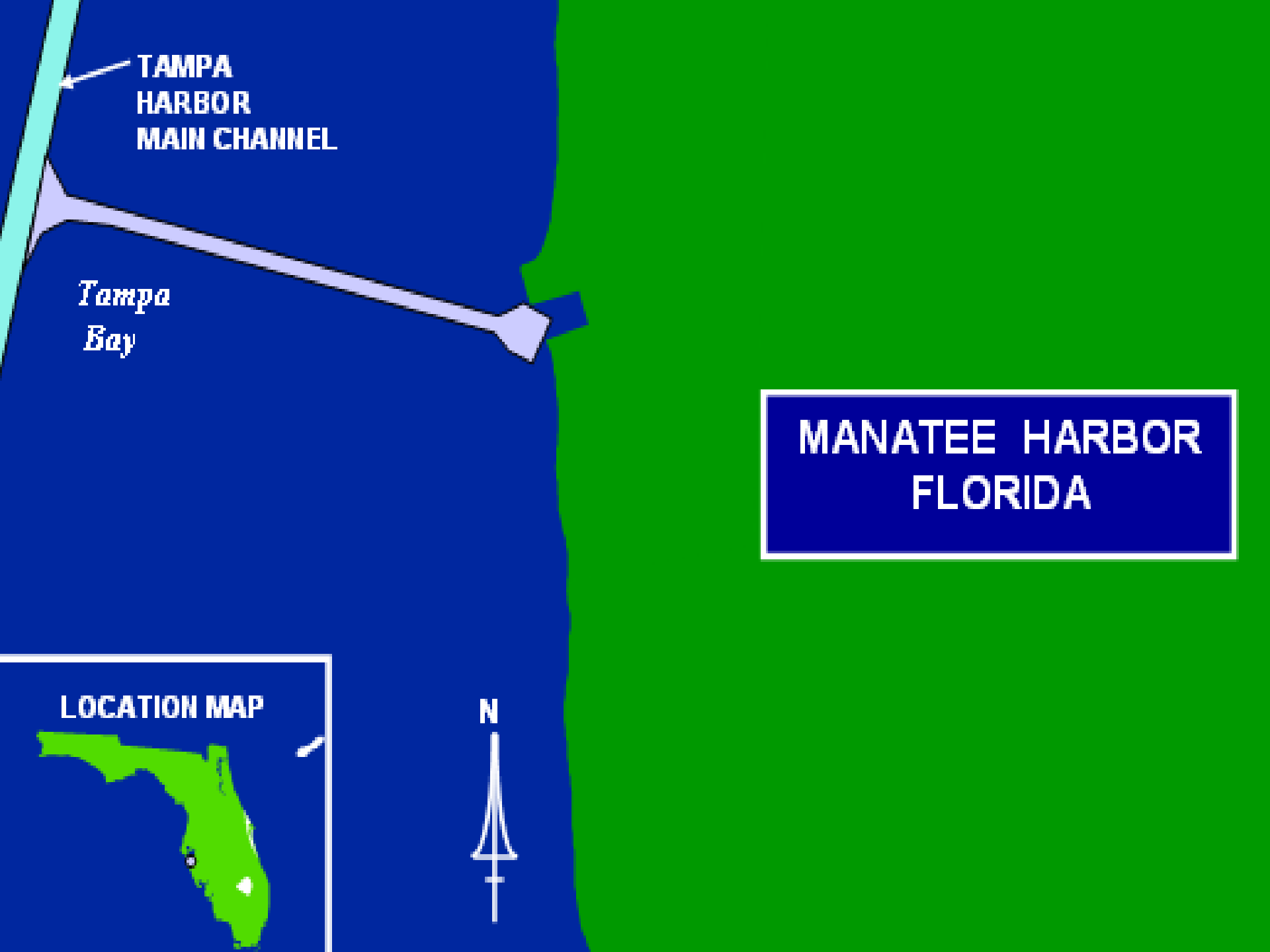
Type Work: Maintenance Dredging
Depth: 49 feet + 2 allowable overdepth
Width: 500 feet
Length: Approximately 9 miles
Quantity: 994,000 CY
Type of Material: Sand and silt
Placement Area: Beach/ODMDS
Distance to Placement Area: 13 miles
Type of Equipment: Hopper
Small business Set Aside: No, unrestricted
Last Dredged: 2006
Environmental Window: Yes, Dredging Prohibited 1 April – 14 December
Reason for window: Sea Turtles
FY 07 Funding: Between $5M and $10M
Advertisement Date: 8 August 2006
Bid Opening Date: 24 October 2006
Award Date: 14 November 2006


EXISTING SAND TRANSFER PLANT
CHANNEL
35' X 300'
PEANUT ISLAND
PALM BEACH HARBOR CHANNEL
PALM BEACH
Atlantic Ocean
PALM BEACH HARBOR
FLORIDA
N
LOCATION MAP

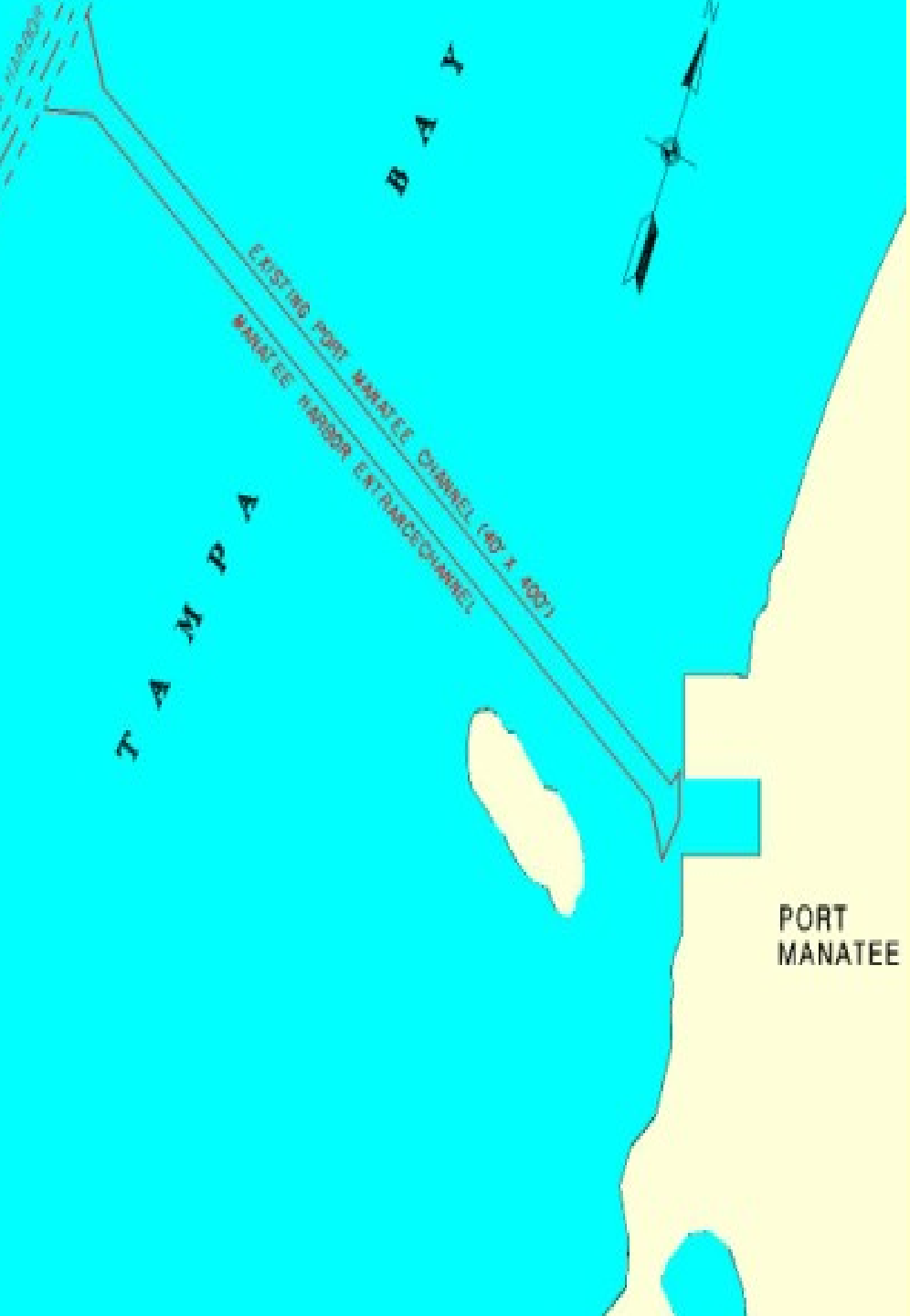
# Palm Beach Harbor

**Project:** **Palm Beach Harbor**

Type Work: Maintenance Dredging
Depth: 33 & 35 Feet
Width: Ranges from 300 to 400 feet
Length: Approximately 1.8 miles
Quantity: 100,000 CY
Type of Material: Sand
Placement Area: Beach
Distance to Placement Area: Approximately .6 miles
Type of Equipment: Hopper
Small business Set Aside: No, unrestricted
Last Dredged: 2006
Environmental Window: Yes, Dredging Prohibited 1 May – 31 October
Reason for window: Nesting Sea Turtles
FY 07 Funding: Between $1M and $5M
Advertisement Date: 9 August 2006
Bid Opening Date: 31 October 2006
Award Date: 10 November 2006
Dredging Begins: 10 December 2006


TAMPA
HARBOR
MAIN CHANNEL
Tampa
Bay
MANATEE HARBOR
FLORIDA
LOCATION MAP
N

# Manatee Harbor

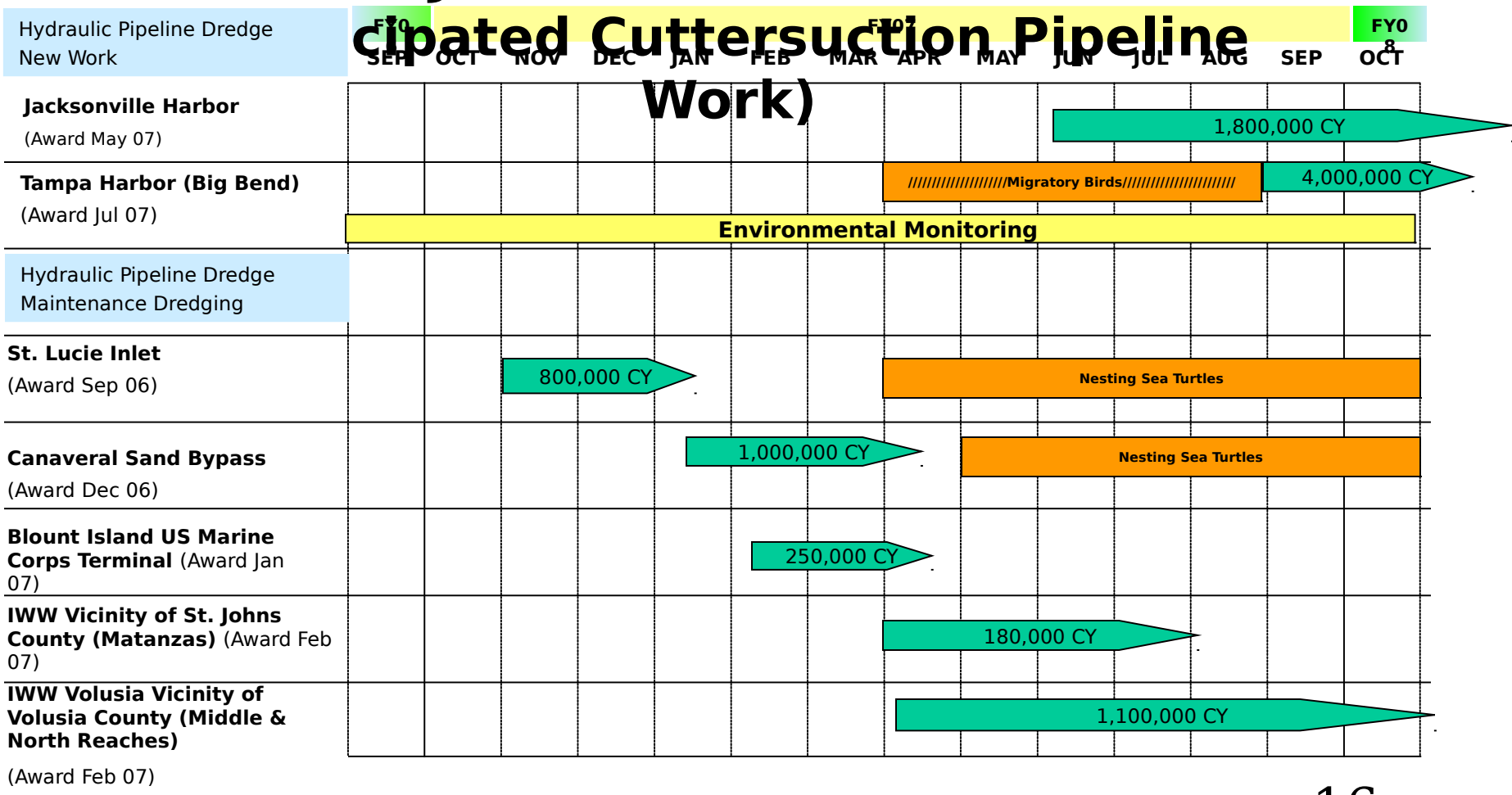



**Project: Manatee Harbor**

Type Work: Maintenance Dredging
Depth: 40 Feet
Width: 400 Feet
Length: Approximately 3 miles.
Quantity: 60,000 CY
Type of Material: Sand, Clay and shell
Placement Area: ODMDS
Distance to Placement Area: 34 miles
Type of Equipment: Hopper
Small Business Set Aside: No, unrestricted
Last Dredged: 2002
Environmental Window: No
FY 07 Funding: Between $1M and $5M
Advertisement Date: 6 July 2006
Bid Opening Date: 30 November 2006
Award Date: 30 December 2006
Dredging Begins: 30 January 2007

US Army Corps of Engineers ®

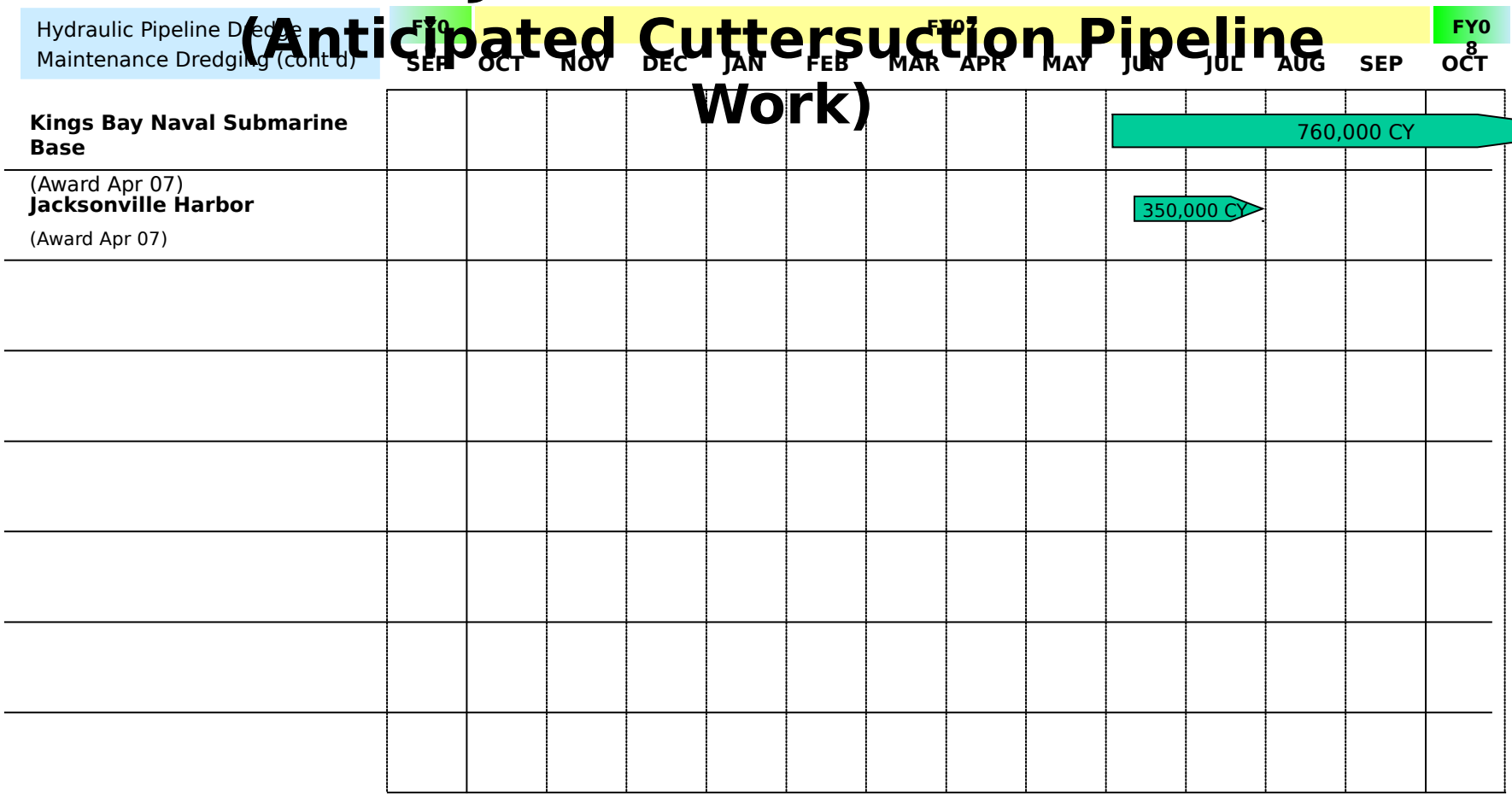
# Scheduled FY07 Dredging Work in Jacksonville District cipated Cuttersuction Pipeline Work)

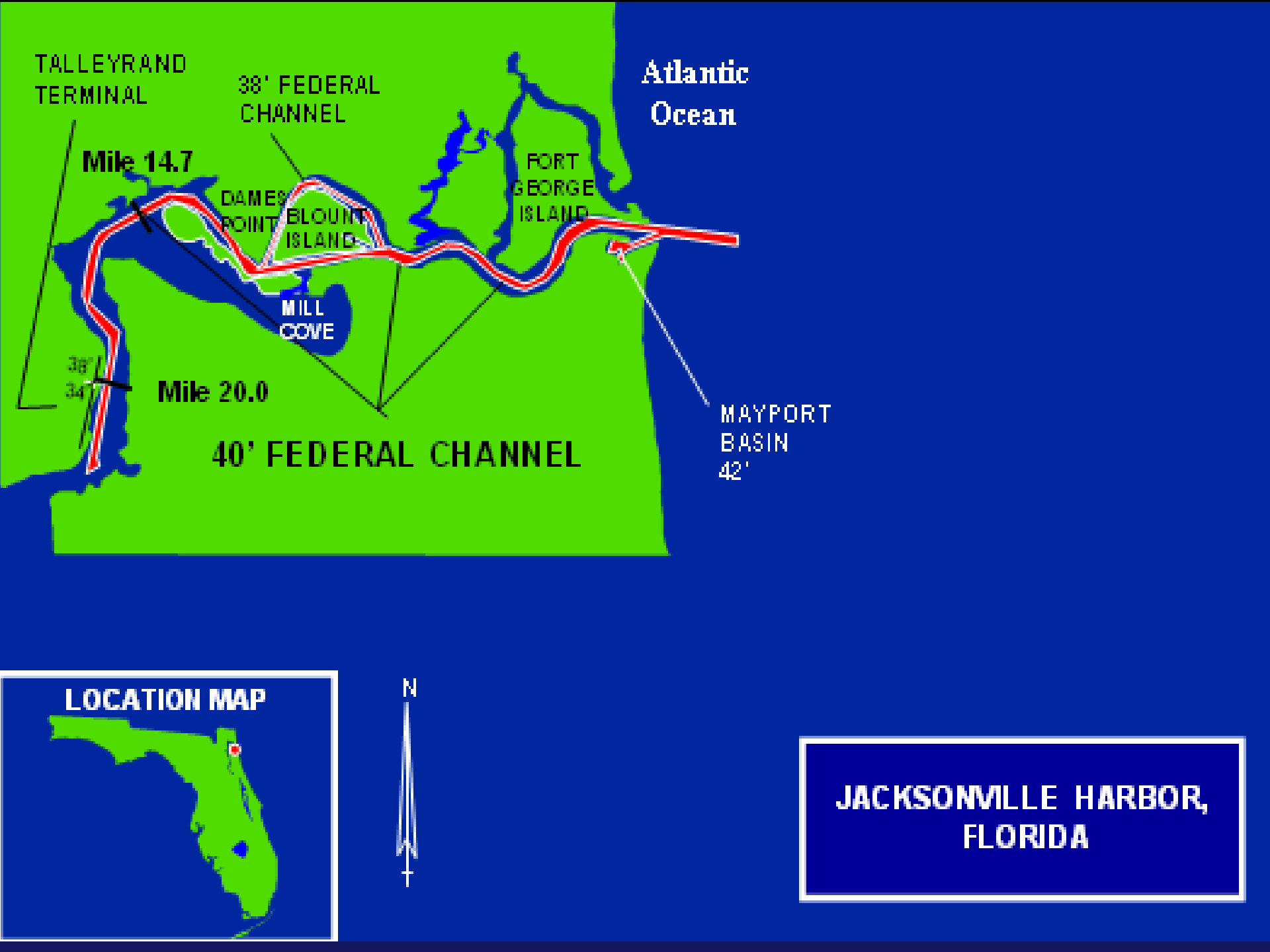


# Scheduled FY07 Dredging Work in Jacksonville District (Anticipated Cuttersuction Pipeline Work)

US Army Corps of Engineers ®

Hydraulic Pipeline Dredge Maintenance Dredging (cont'd)




TALLEYRAND
TERMINAL
38' FEDERAL
CHANNEL
Atlantic
Ocean
Mile 14.7
DAMES
POINT
BLOUNT
ISLAND
FORT
GEORGE
ISLAND
MILL
COVE
38'
34'
Mile 20.0
40' FEDERAL CHANNEL
MAYPORT
BASIN
42'
LOCATION MAP
N
JACKSONVILLE HARBOR,
FLORIDA

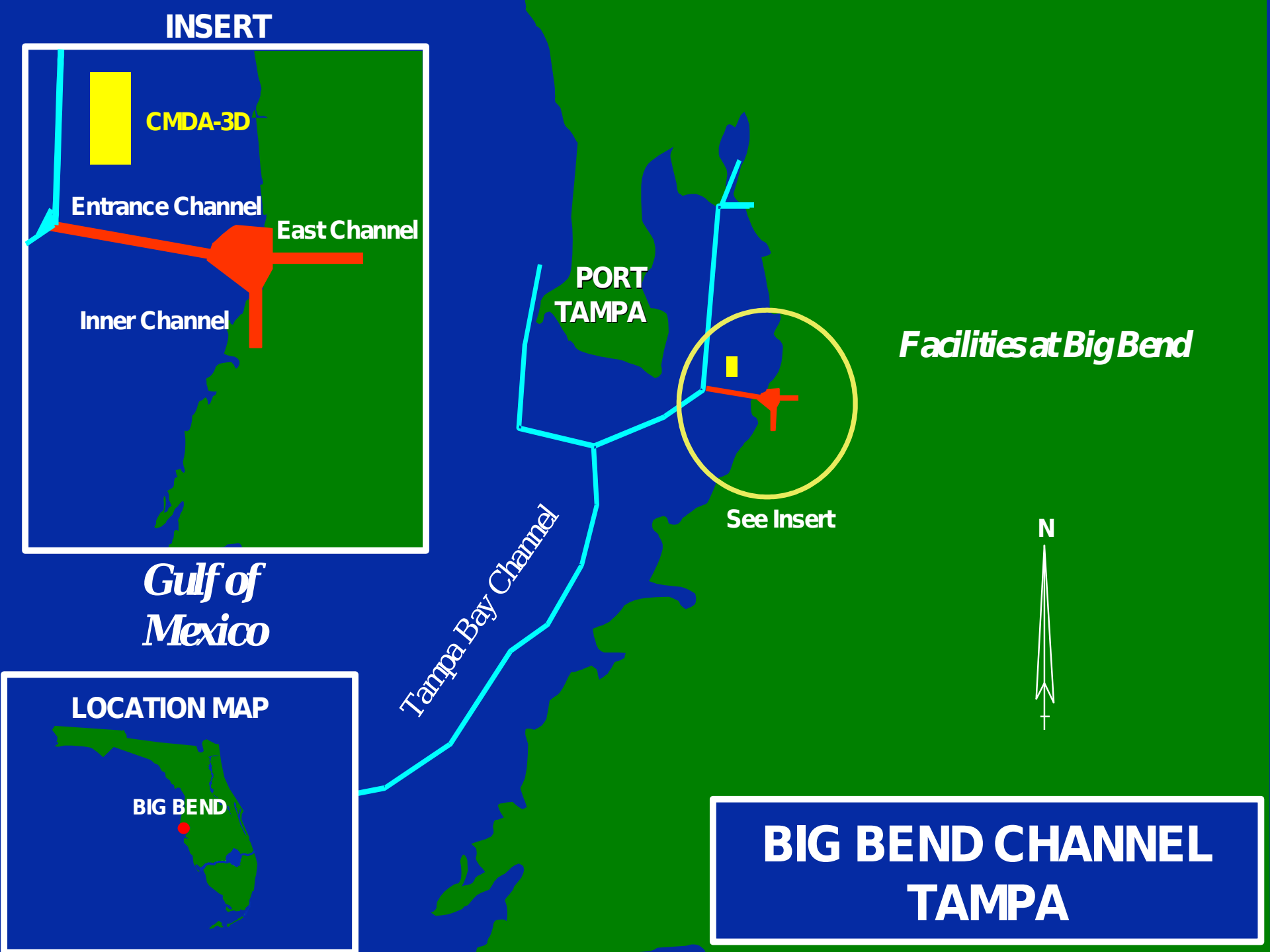
# Jacksonville Harbor New Work

Jacksonville Harbor Main Shipping Channel

Jacksonville Harbor Talleyrand Terminal

**Project: Jacksonville Harbor**

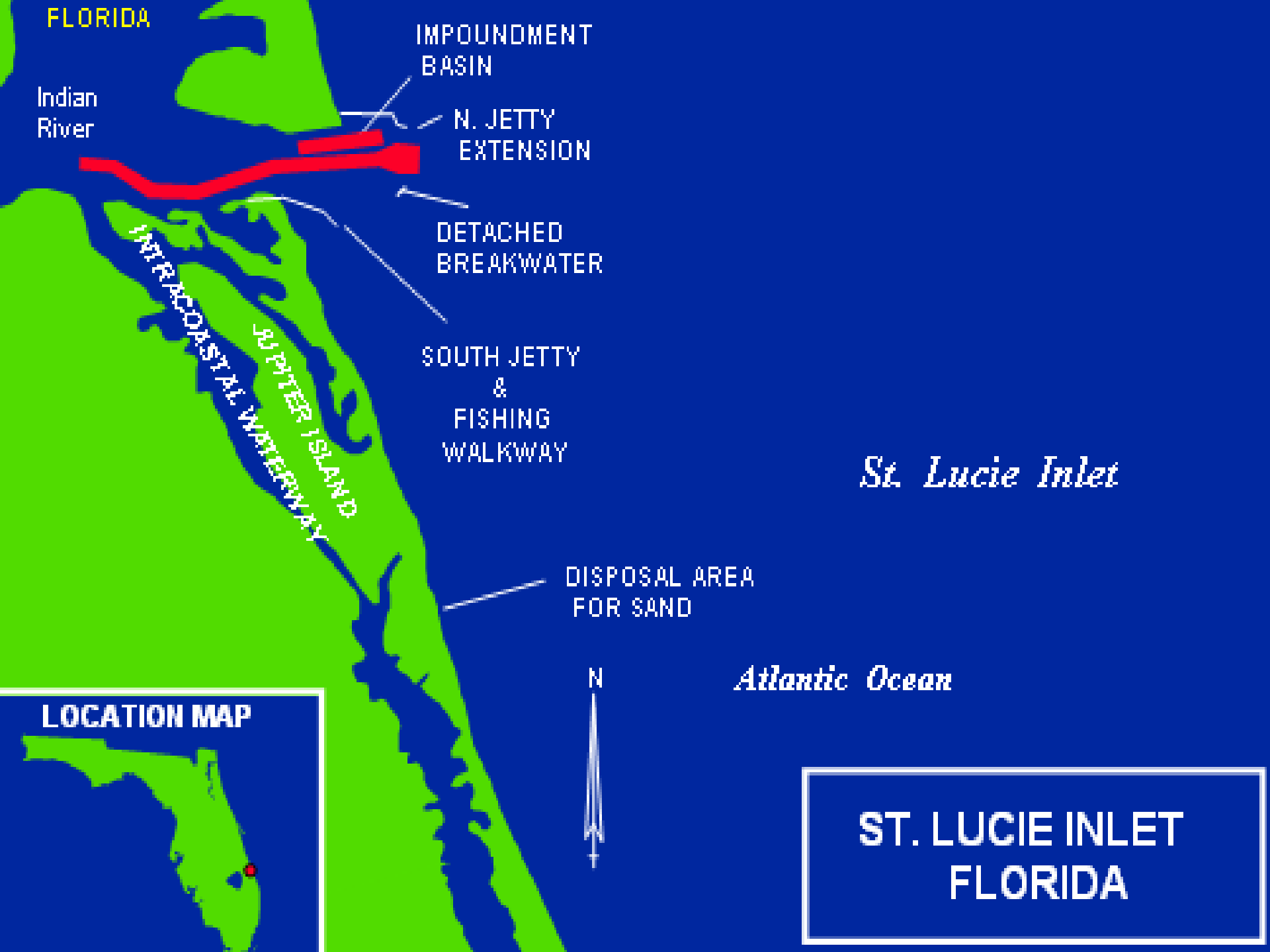
Type Work: Construction Dredging
Depth: 40 Feet
Width: Varies
Length: 5.3 Miles
Quantity: 1,800,000 CY
Type of Material: Sand, Silt and Rock
Placement Area: Upland Bartram Island
Distance to Placement Area: 2 Miles
Type of Equipment: Cuttersuction
Small business Set Aside: No, unrestricted
Last Dredged: NA
Environmental Window: No
FY 07 Funding: Between $10-$15M
Advertisement Date: 1 March 2007
Bid Opening Date: 2 April


INSERT
CMDA-3D
Entrance Channel
East Channel
Inner Channel
PORT
TAMPA
Facilities at Big Bend
See Insert
Gulf of
Mexico
Tampa Bay Channel
N
LOCATION MAP
BIG BEND
BIG BEND CHANNEL
TAMPA

# Tampa Harbor (Big Bend)

**Project: Tampa Harbor (Big Bend)**

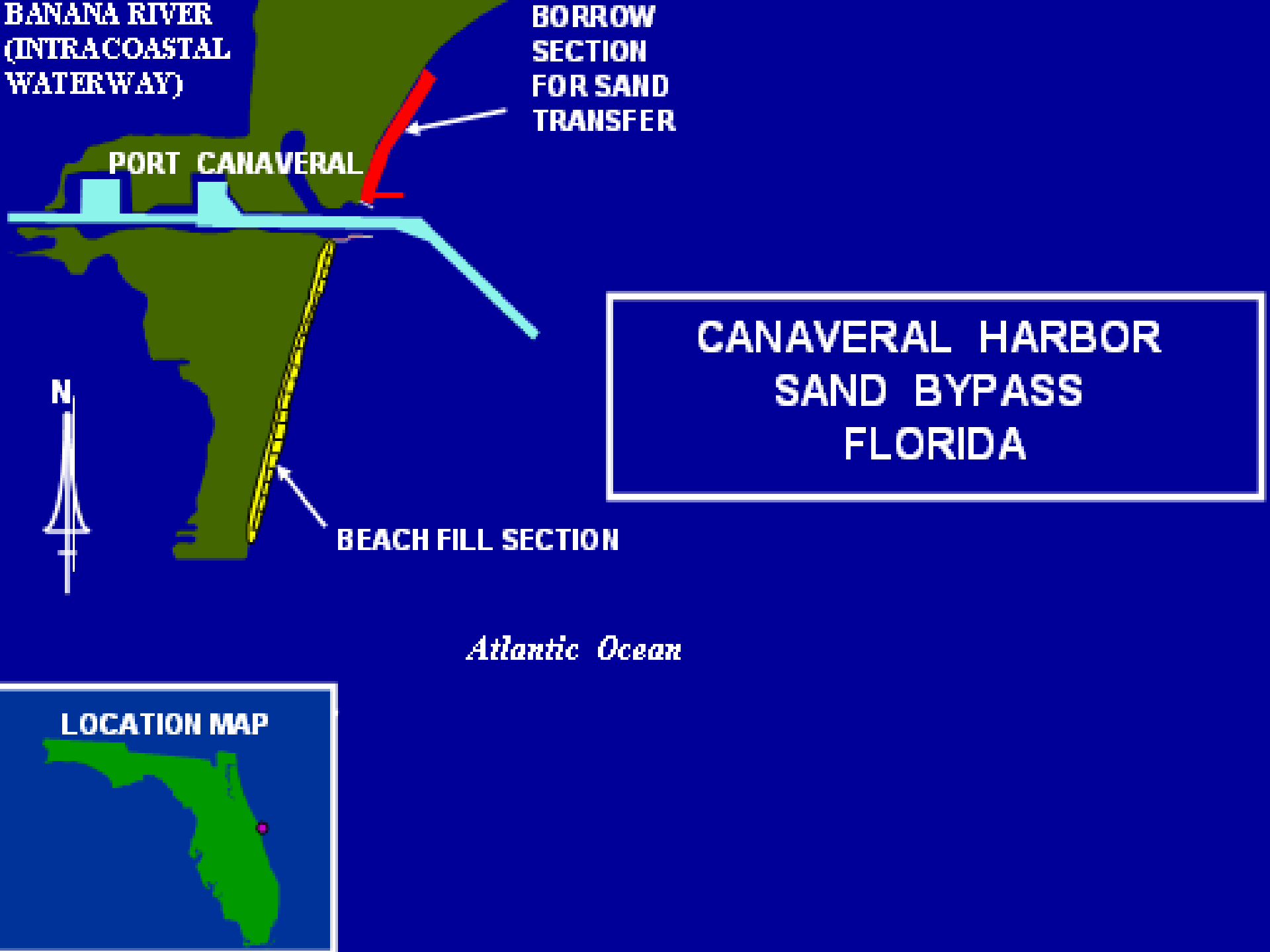
Type Work: New Work
Depth: 41 feet + 2 feet advanced maintenance + 2 feet allowable overdepth.
Width: 250 feet
Length: 2.2 miles
Quantity: 4,000,000 CY
Type of Material: Sand, Silt, Clay, Shell and Rock
Placement Area: Upland
Distance to Placement Area: 3 Miles
Type of Equipment: Cuttersuction and Mechanical (but not required)
Small business Set Aside: No, unrestricted
Last Dredged: 1970 for construction
Environmental Window: Yes, Dredging Prohibited 1 April – 31 August
Reason for window: Migratory Birds
FY 07 Funding: Over $15M
Advertisement Date: 1 April 2007
Bid Opening Date: 1 June 2007


FLORIDA
IMPOUNDMENT BASIN
Indian River
N. JETTY EXTENSION
DETACHED BREAKWATER
INTRACOASTAL WATERWAY
JUPITER ISLAND
SOUTH JETTY & FISHING WALKWAY
St. Lucie Inlet
DISPOSAL AREA FOR SAND
N
Atlantic Ocean
LOCATION MAP
ST. LUCIE INLET
FLORIDA

# St. Lucie Inlet

**Project: St. Lucie Inlet (O&M)**

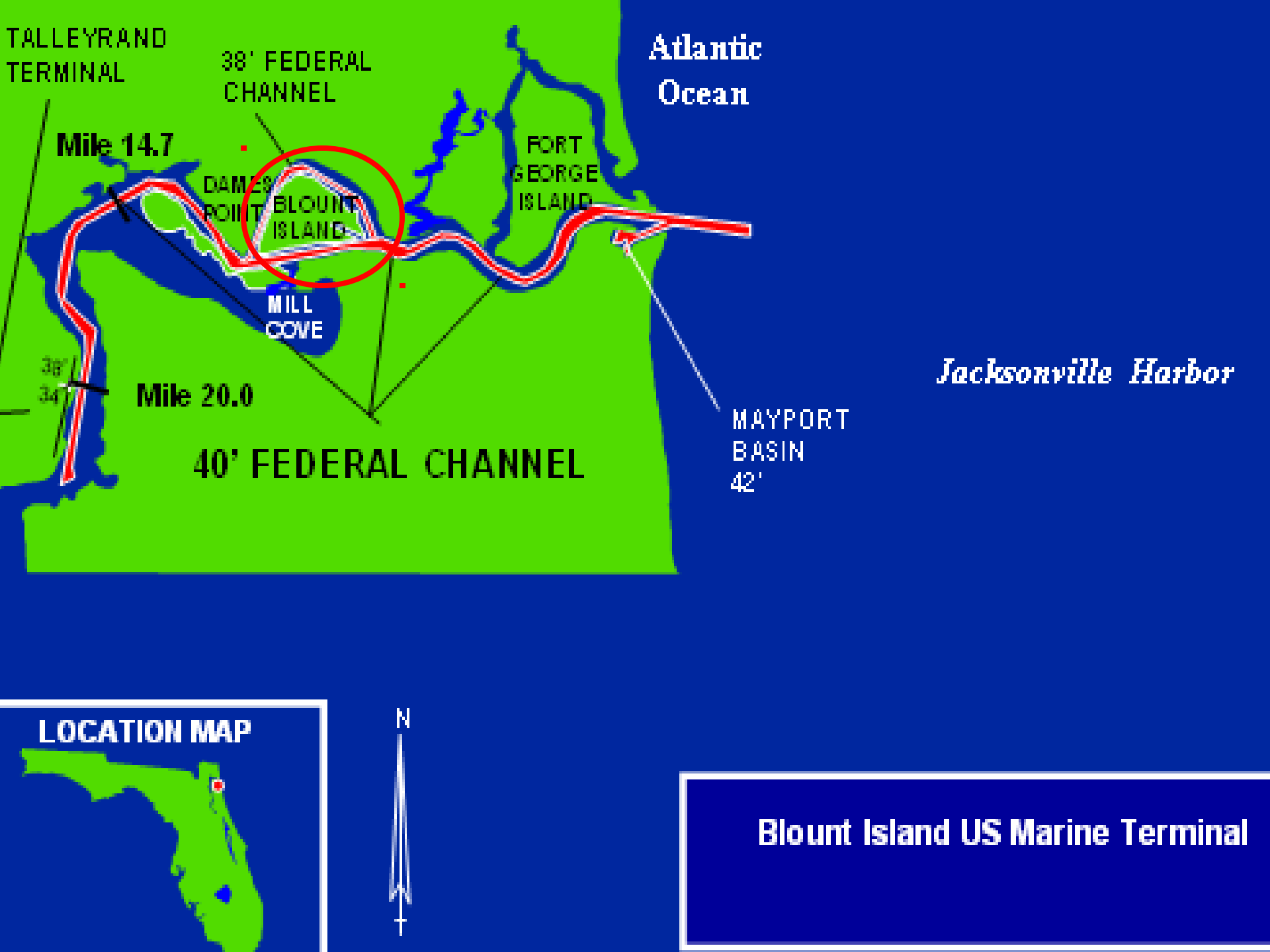
Type Work: Maintenance Dredging
Depth: 10 Feet
Width: Varies from 100 to 700 Feet
Length: 2.4 Miles
Quantity: 800,000 CY
Type of Material: Sand
Placement Area: Beach
Distance to Placement Area: 4.5 miles
Type of Equipment: Cuttersuction
Small business Set Aside: No, unrestricted
Last Dredged: 2004
Environmental Window: Yes, Dredging Prohibited 1 April – 31 October
Reason for window: Nesting Sea Turtles
FY 07 Funding: Between $5M and $10M

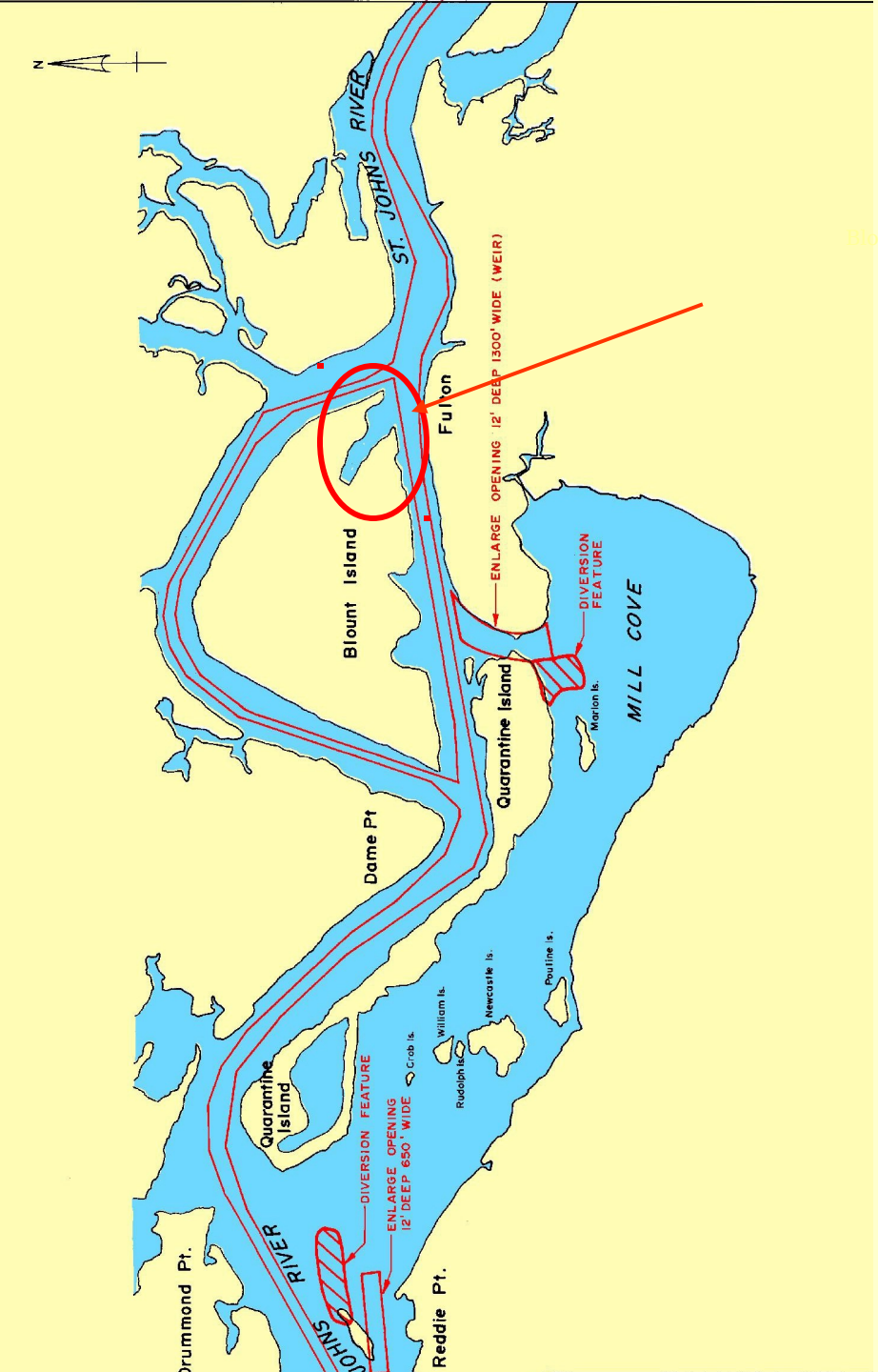

BANANA RIVER
(INTRACOASTAL
WATERWAY)
BORROW
SECTION
FOR SAND
TRANSFER
PORT CANAVERAL
N
BEACH FILL SECTION
CANAVERAL HARBOR
SAND BYPASS
FLORIDA
Atlantic Ocean
LOCATION MAP

# Canaveral Harbor

**Project: Canaveral Sand Bypass**

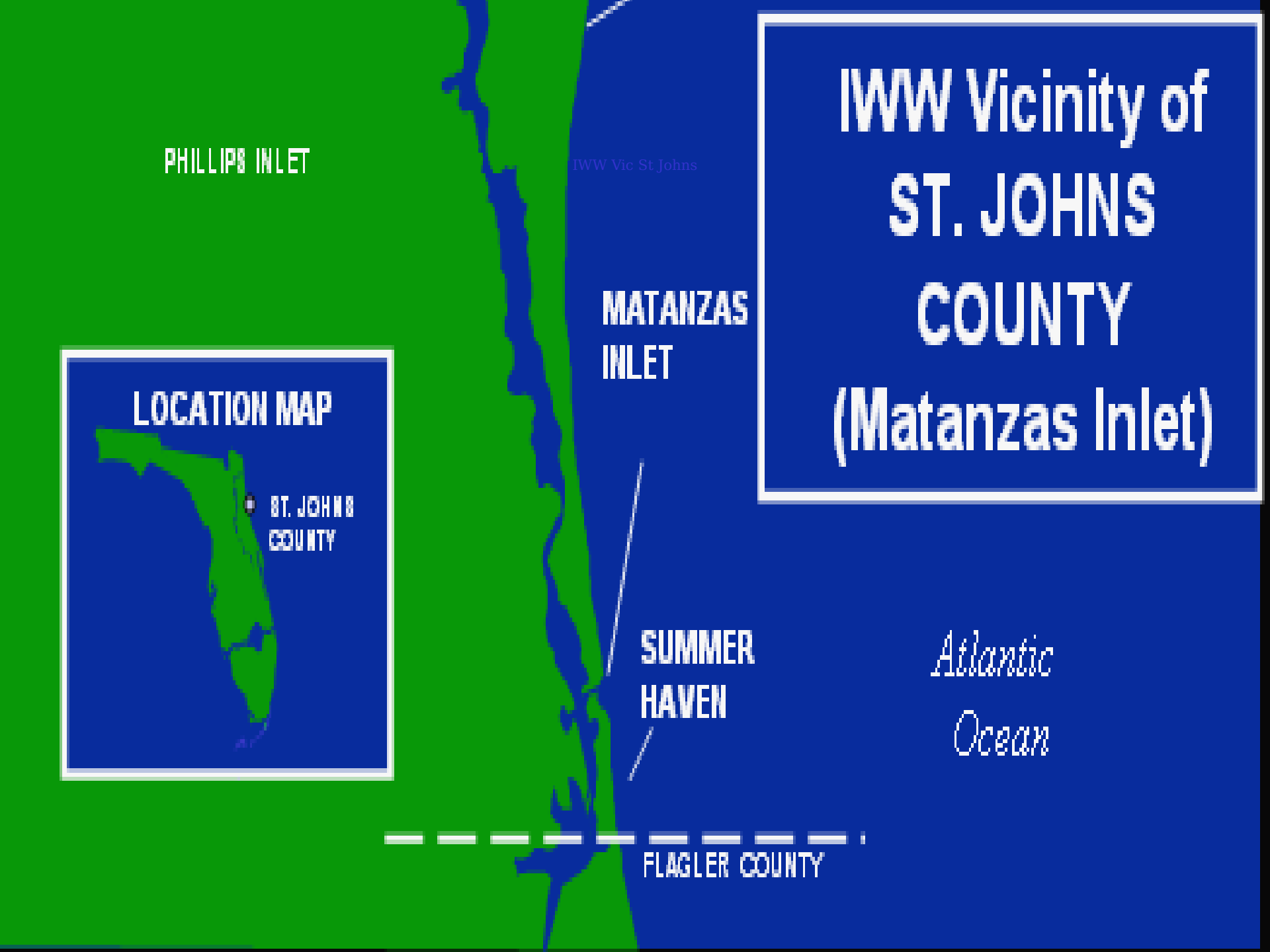
Type Work: Maintenance Dredging. The project provides for a system of sand transfer around the inlet and an extension and sand tightening of the south jetty.
Depth: NA
Width: NA
Length: 3,000 feet
Quantity: 1,000,000 CY
Type of Material: Sand
Placement Area: Beach
Distance to Placement Area: 2 miles
Type of Equipment: Cuttersuction
Small business Set Aside: No, unrestricted
Last Dredged: 1998
Environmental Window: Yes, Dredging Prohibited 1 May – 31 October
Reason for window: Nesting Sea Turtles
FY 07 Funding: Between $5M to


TALLEYRAND TERMINAL
38' FEDERAL CHANNEL
Atlantic Ocean
Mile 14.7
DAMES POINT
BLOUNT ISLAND
FORT GEORGE ISLAND
MILL COVE
38'
34'
Mile 20.0
40' FEDERAL CHANNEL
MAYPORT BASIN 42'
Jacksonville Harbor
LOCATION MAP
N
Blount Island US Marine Terminal




**Project: Blount Island US Marine Corps Terminal**

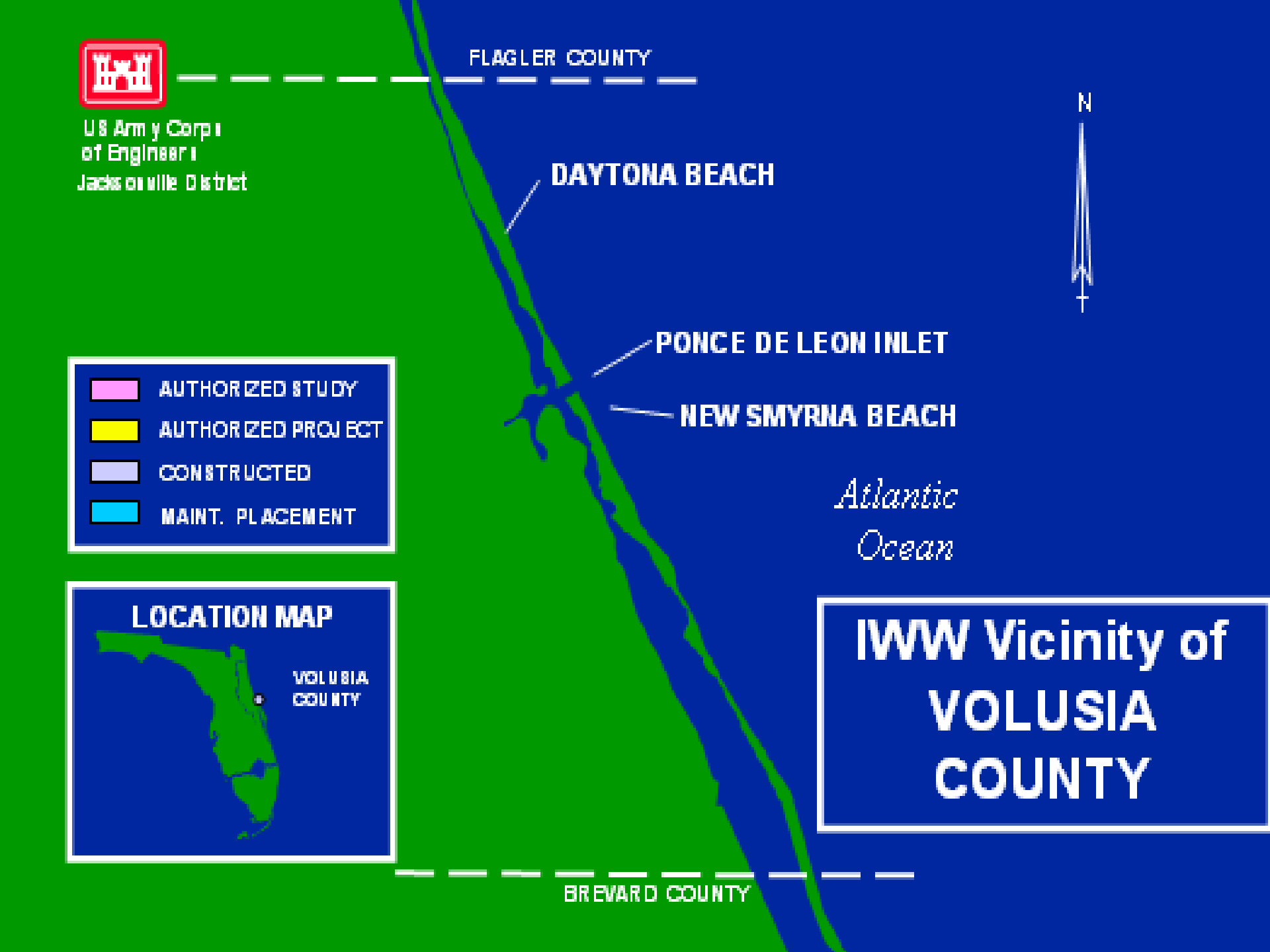
Type Work: Maintenance Dredging
Depth: 26 Feet
Width: 400 Feet
Length: 1.5 Miles
Quantity: 250,000 CY
Type of Material: Sand
Placement Area: Upland
Distance to Placement Area: 2 Miles
Type of Equipment: Cuttersuction
Small business Set Aside: Yes
Last Dredged: 2006
Environmental Window: No
FY 07 Funding: Between $1M and $5M
Advertisement Date: 10 November 2006
Bid Opening Date: 10 December 2006
Award Date: 10 January 2007
Dredging Begins: 10 February 2007
Dredging Complete: 10 April 2007
Days to Dredge: 59


IWW Vicinity of
ST. JOHNS
COUNTY
(Matanzas Inlet)
PHILLIPS INLET
IWW Vic St Johns
MATANZAS
INLET
LOCATION MAP
ST. JOHNS
COUNTY
SUMMER
HAVEN
Atlantic
Ocean
FLAGLER COUNTY

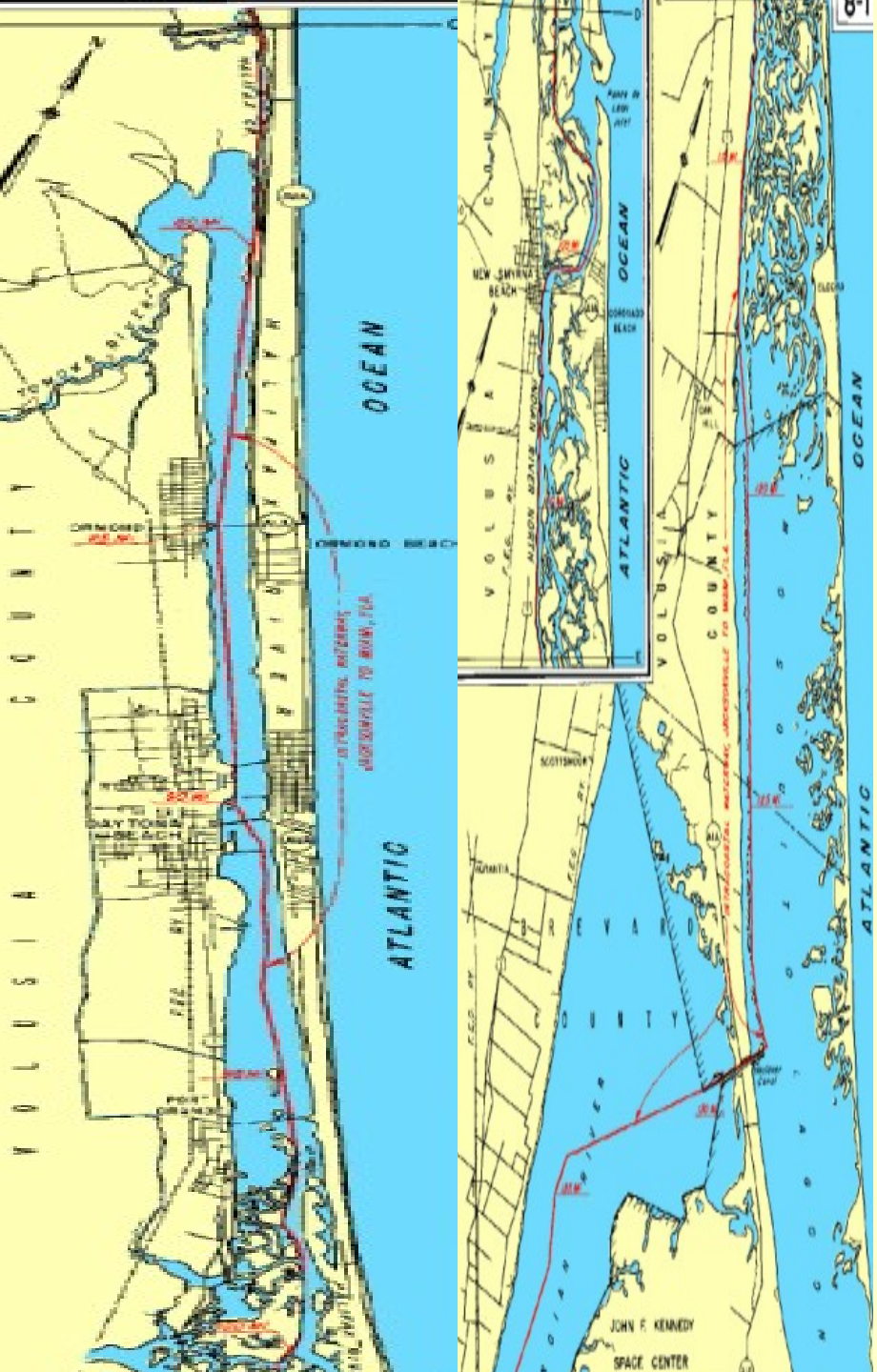
# IWW Vicinity of St. Johns County (Matanzas Inlet)

**Project: IWW Vicinity of St. Johns County (Matanzas Inlet)**

Type Work: Maintenance Dredging
Depth: 12 Feet + 2 Feet overdepth
Width: 125 Feet
Length: 3,000 Feet
Quantity: 180,000 CY
Type of Material: Sand
Placement Area: Beach
Distance to Placement Area: 4 miles
Type of Equipment: Cuttersuction
Small business Set Aside: Yes
Last Dredged: 2004
Environmental Window: No
Reason for window: NA
FY 07 Funding: Between $1M and $5M
Advertisement Date: 1 December 2006
Bid Opening Date: 15 January 2007
Award Date: 1 February 2007
Dredging Begins: 1 April 2007
Dredging Complete: 1 August 2007

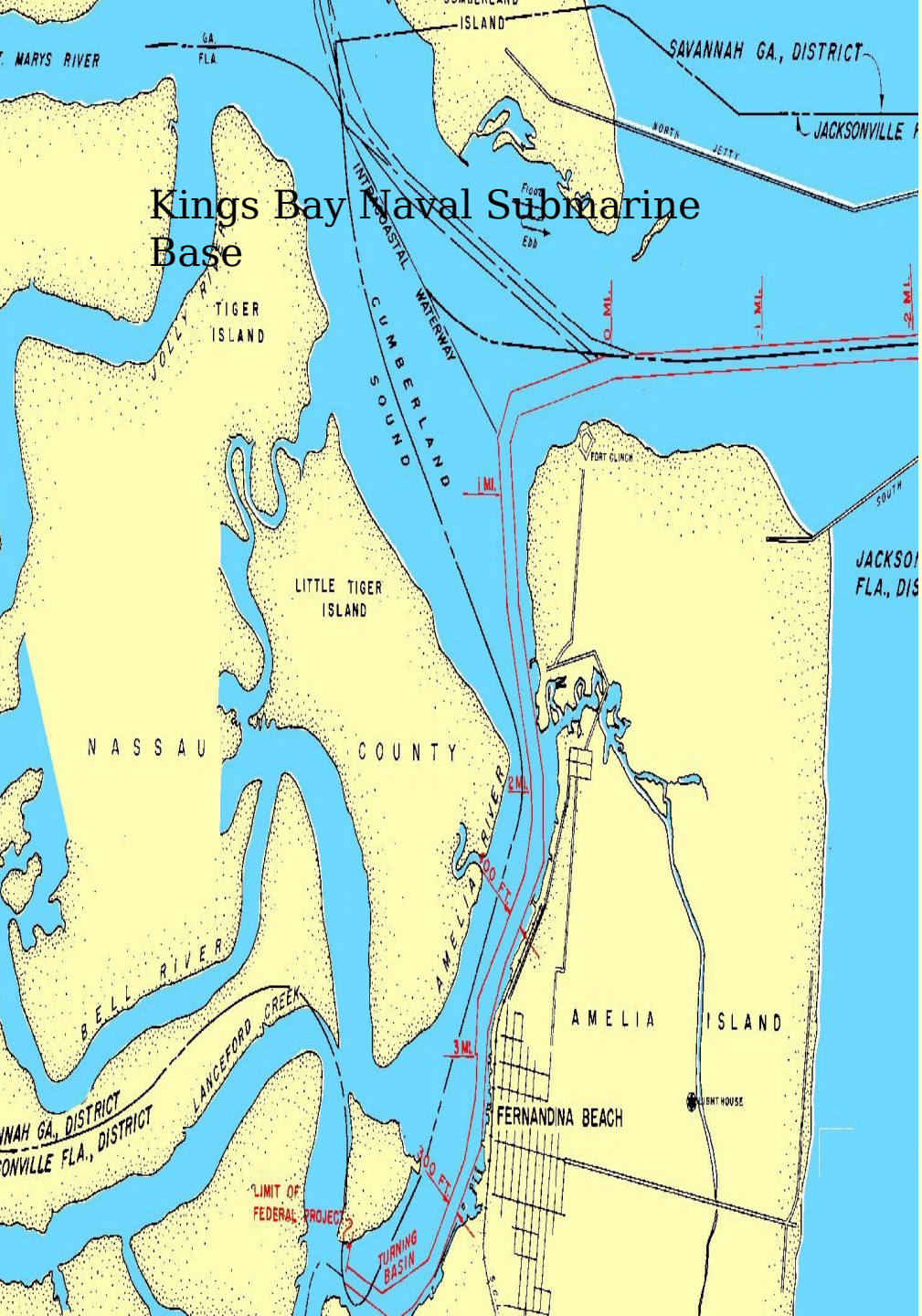

US Army Corps
of Engineers
Jacksonville District
FLAGLER COUNTY
DAYTONA BEACH
N
PONCE DE LEON INLET
NEW SMYRNA BEACH
Atlantic
Ocean
AUTHORIZED STUDY
AUTHORIZED PROJECT
CONSTRUCTED
MAINT. PLACEMENT
LOCATION MAP
VOLUSIA
COUNTY
IWW Vicinity of
VOLUSIA
COUNTY
BREVARD COUNTY

# IWW Vicinity of Volusia County




**Project:** **IWW Vicinity of Volusia County** (Middle and North Reaches)
Type Work: Maintenance Dredging
Depth: 12 Feet + 2 Feet overdepth
Width: 125 Feet
Length: 15 Miles
Quantity: 1,100,000 CY
Type of Material: Sand
Placement Area: Nearshore
Distance to Placement Area: 2 miles
Type of Equipment: Cuttersuction
Small business Set Aside: Yes
Last Dredged: 2003
Environmental Window: No
FY 07 Funding: Between $10-$15M
Advertisement Date: 15 November 2006

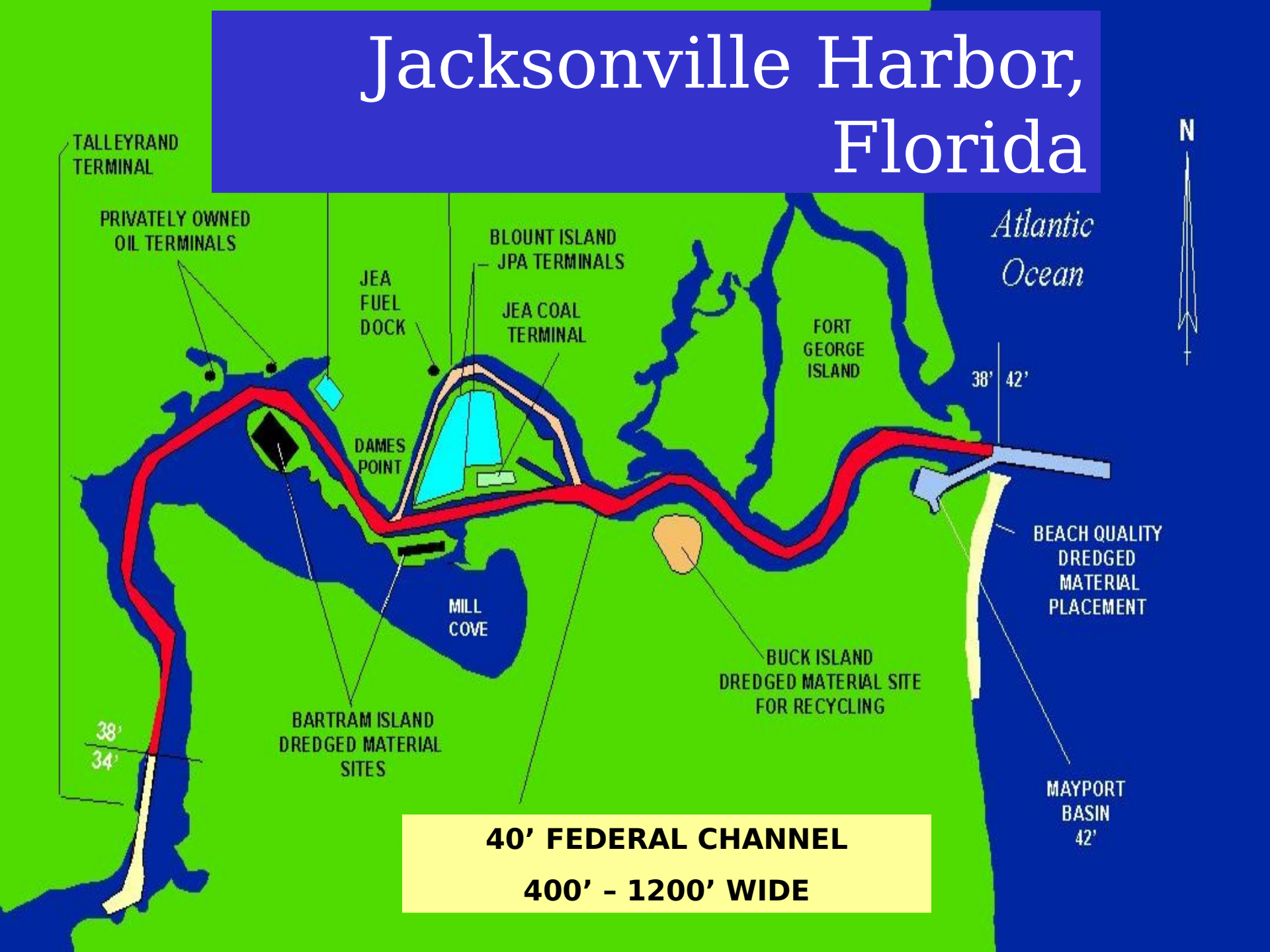
# Kings Bay Naval Submarine Base




**Project: Kings Bay Inner Channel**

Type Work: Maintenance Dredging
Depth: 46 Feet + 2 Feet Overdepth
Width: 500 Feet
Length: 4.5 Miles
Quantity: 760,000 CY
Type of Material: Sand
Placement Area: Upland
Distance to Placement Area: 3 miles
Type of Equipment: Cuttersuction
Small business Set Aside: Yes
Last Dredged: 2006
Environmental Window: No
FY 07 Funding: Between $1-$5M
Advertisement Date: 8 February 2007
Bid Opening Date: 21 March

# Jacksonville Harbor, Florida



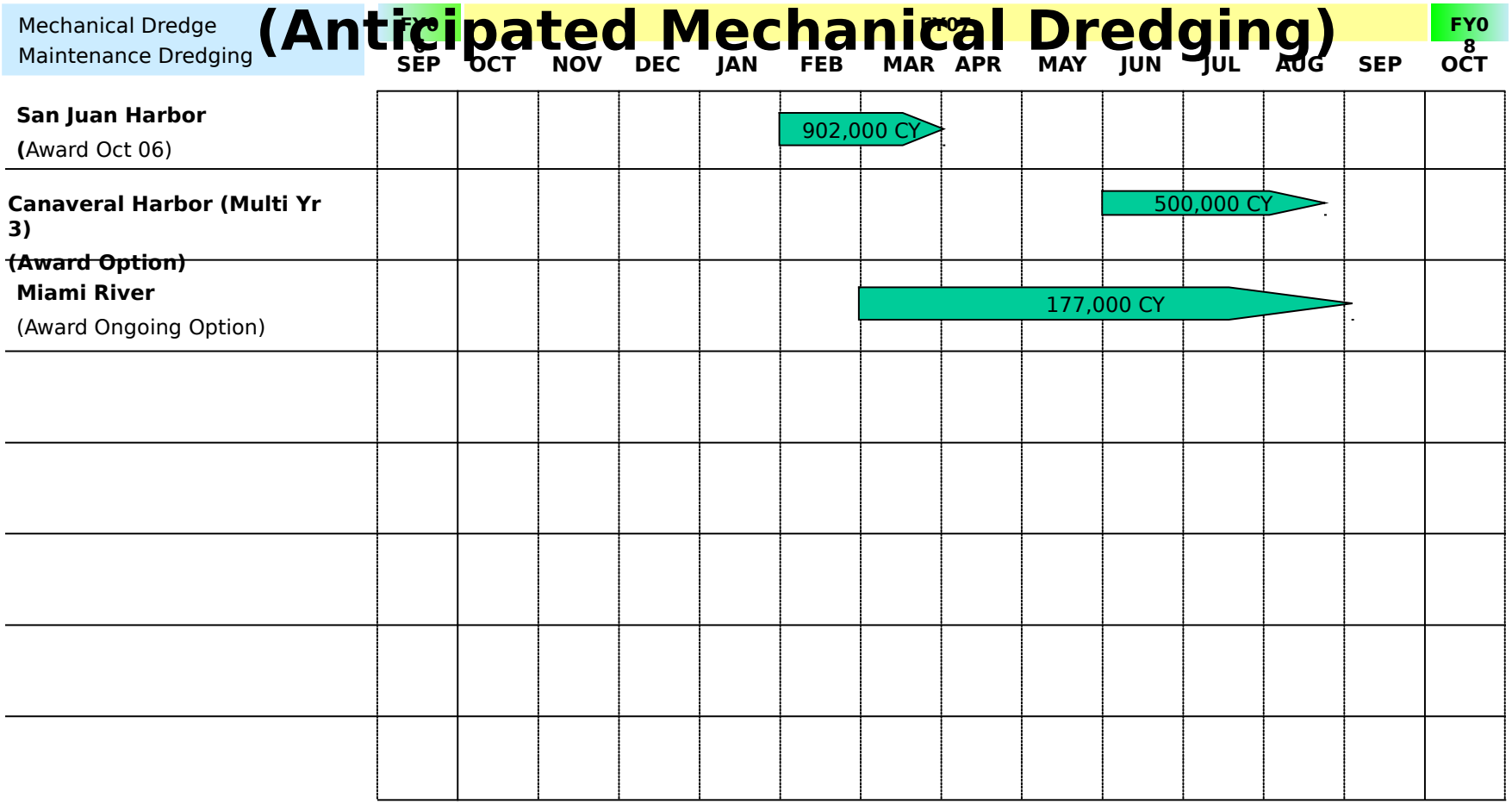
# Jacksonville Harbor

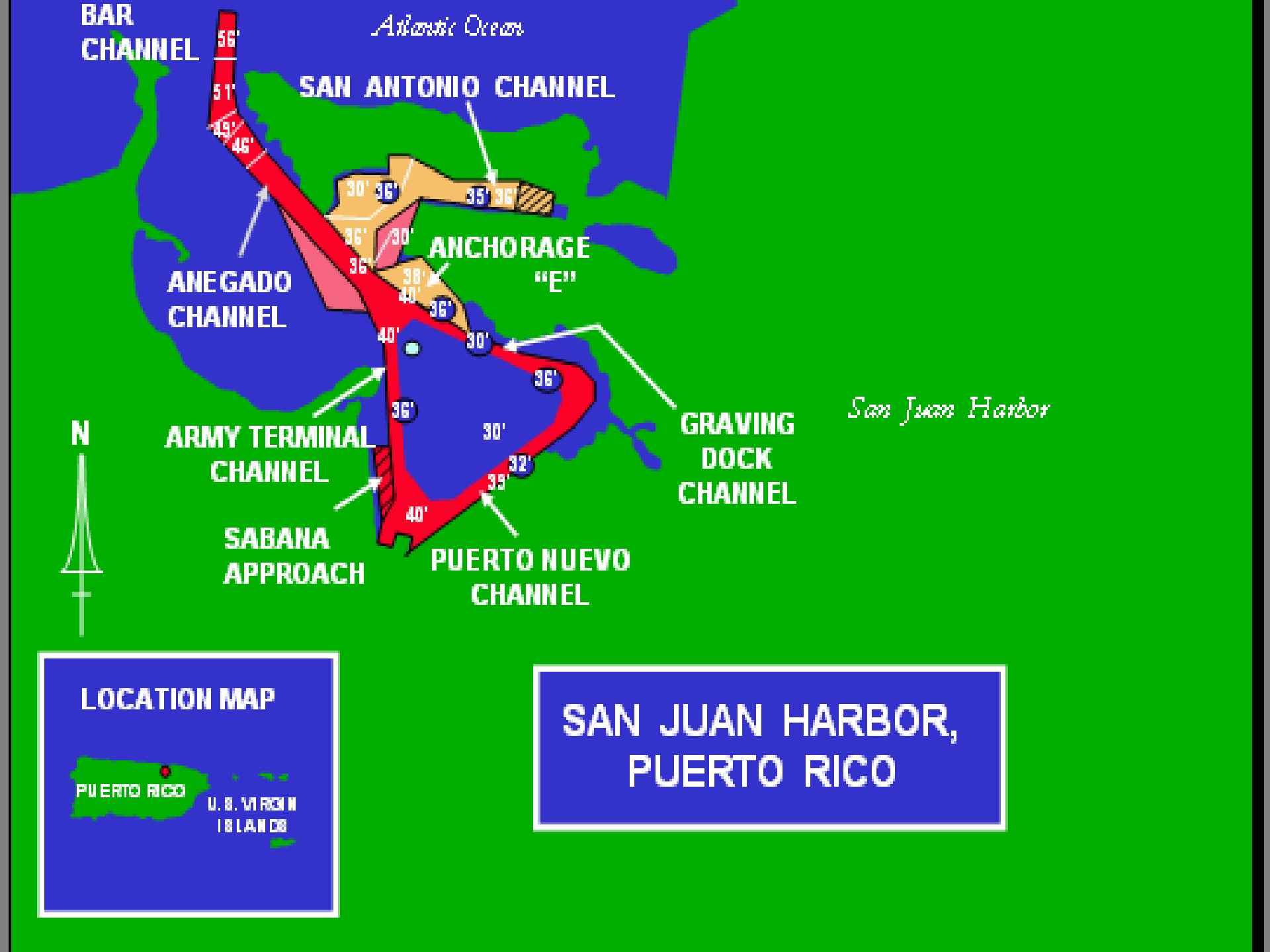
**Project: Jacksonville Harbor**

Type Work: Maintenance Dredging
Depth: 42 Feet
Width: 800 Feet
Length: 3.7 Miles
Quantity: 350,000 CY
Type of Material: Sand
Placement Area: Beach
Distance to Placement Area: 4 Miles
Type of Equipment: Cuttersuction
Small business Set Aside: No, unrestricted
Last Dredged: 2000
Environmental Window: No
FY 07 Funding: Between $1-$5M
Advertisement Date: 10 February 2007
Bid Opening Date: 12 March 2007

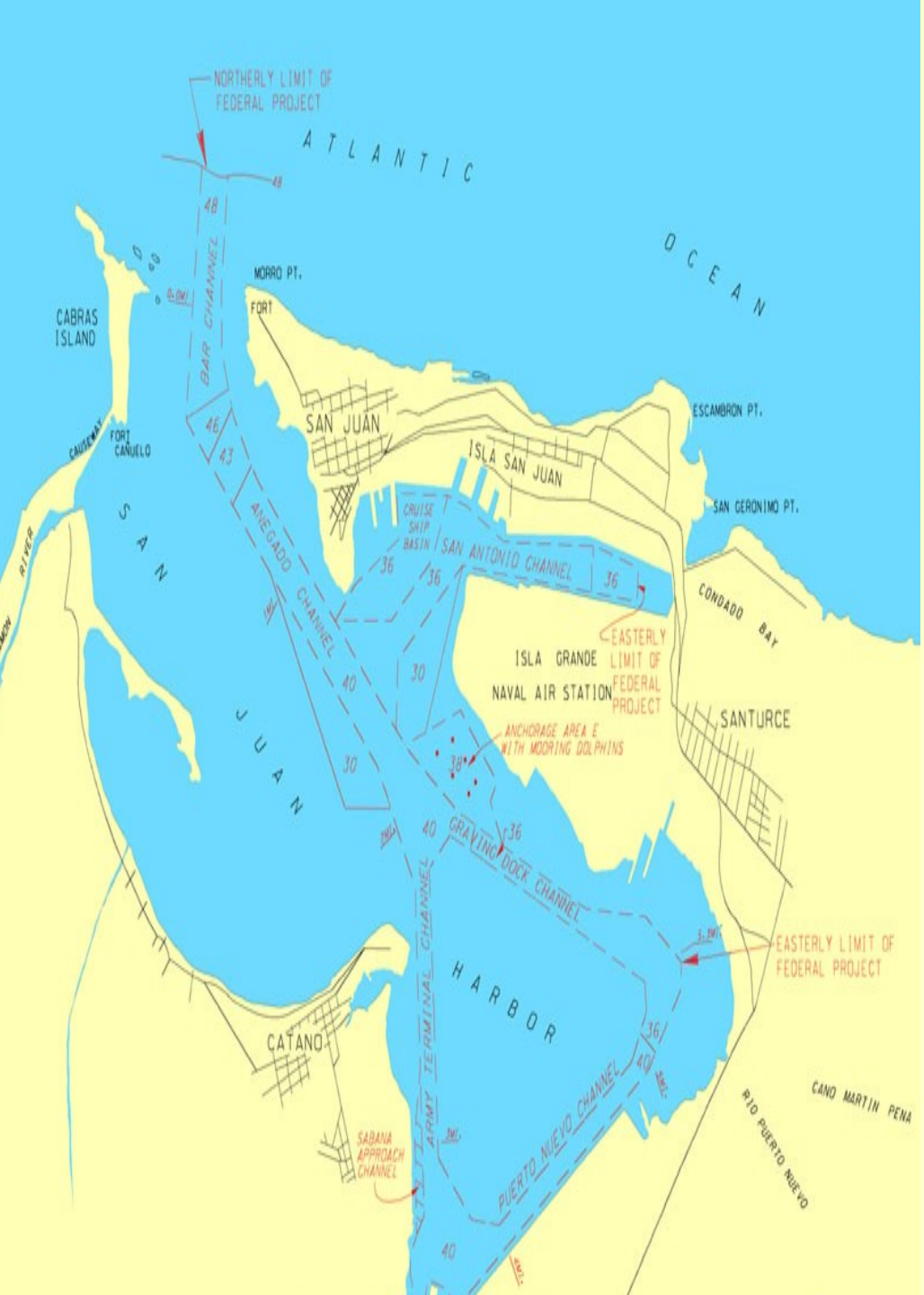
US Army Corps of Engineers ®

# Scheduled FY07 Dredging Work in Jacksonville District (Anticipated Mechanical Dredging)




BAR CHANNEL
Atlantic Ocean
SAN ANTONIO CHANNEL
ANCHORAGE "E"
ANEGADO CHANNEL
ARMY TERMINAL CHANNEL
GRAVING DOCK CHANNEL
San Juan Harbor
SABANA APPROACH
PUERTO NUEVO CHANNEL
N
LOCATION MAP
PUERTO RICO
U.S. VIRGIN ISLANDS
SAN JUAN HARBOR, PUERTO RICO

# San Juan Harbor




**Project: San Juan Harbor**

Type Work: Maintenance Dredging

Depth: 39 Feet + 2 Foot Overdepth

Width: 350 Feet

Length: Approximately 5 miles.

Quantity: 902,000 CY

Type of Material: Sand, Clay, Silt and Shell

Placement Area: ODMDS

Distance to Placement Area: 2.2 miles

Type of Equipment: Clamshell

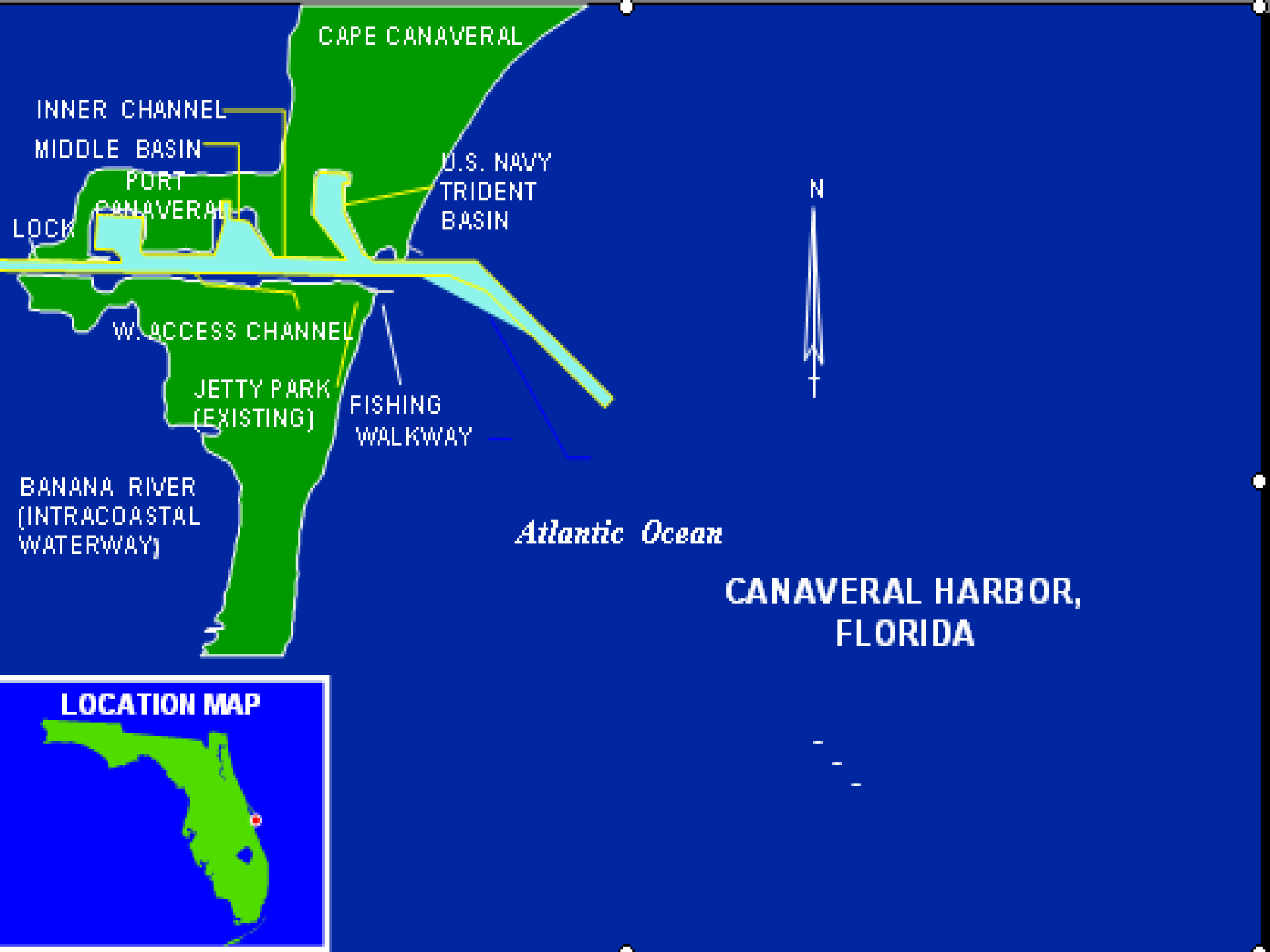
Small Business Set Aside: No, unrestricted

Last Dredged: 2002

Environmental Window: No

FY 07 Funding: Between $5-$10M

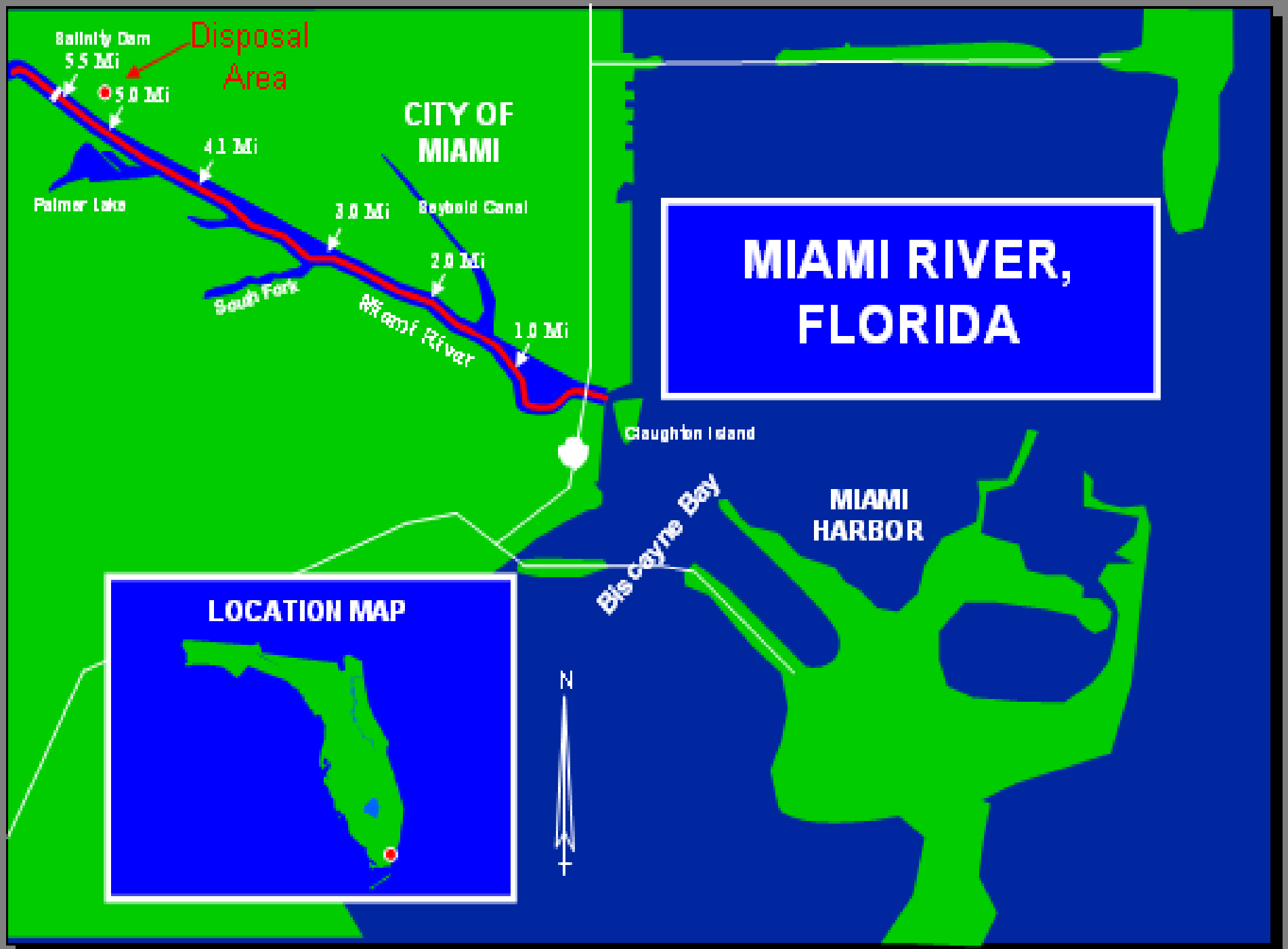
Advertisement Date: 14 July 2006


CAPE CANAVERAL
INNER CHANNEL
MIDDLE BASIN
PORT CANAVERAL LOCK
U.S. NAVY TRIDENT BASIN
N
W. ACCESS CHANNEL
JETTY PARK (EXISTING)
FISHING WALKWAY
BANANA RIVER (INTRACOASTAL WATERWAY)
Atlantic Ocean
CANAVERAL HARBOR, FLORIDA
LOCATION MAP

# Canaveral Harbor (Multiyear 3)

**Project: Canaveral Harbor Multi Year**

Type Work: Maintenance Dredging
Depth: 44 Feet + 2 Foot Overdepth
Width: 400 Feet
Length: Approximately 9.5 miles.
Quantity: 500,000 CY
Type of Material: Sand, Silt, Clay and Shell
Placement Area: ODMDS/Nearshore
Distance to Placement Area: 11.5 miles
Type of Equipment: Mechanical
Small Business Set Aside: No, unrestricted
Last Dredged: 2006
Environmental Window: No
FY 07 Funding: Between $1-$5M
Advertisement Date: 16 February 2005
Bid Opening Date: 12 April 2005
Award Date: 12 May 2005


Salinity Dam
5.5 Mi
Disposal Area
5.0 Mi
CITY OF MIAMI
4.1 Mi
Palmer Lake
3.0 Mi
Seybold Canal
2.0 Mi
South Fork
Miami River
1.0 Mi
MIAMI RIVER, FLORIDA
Claughton Island
Biscayne Bay
MIAMI HARBOR
LOCATION MAP
N

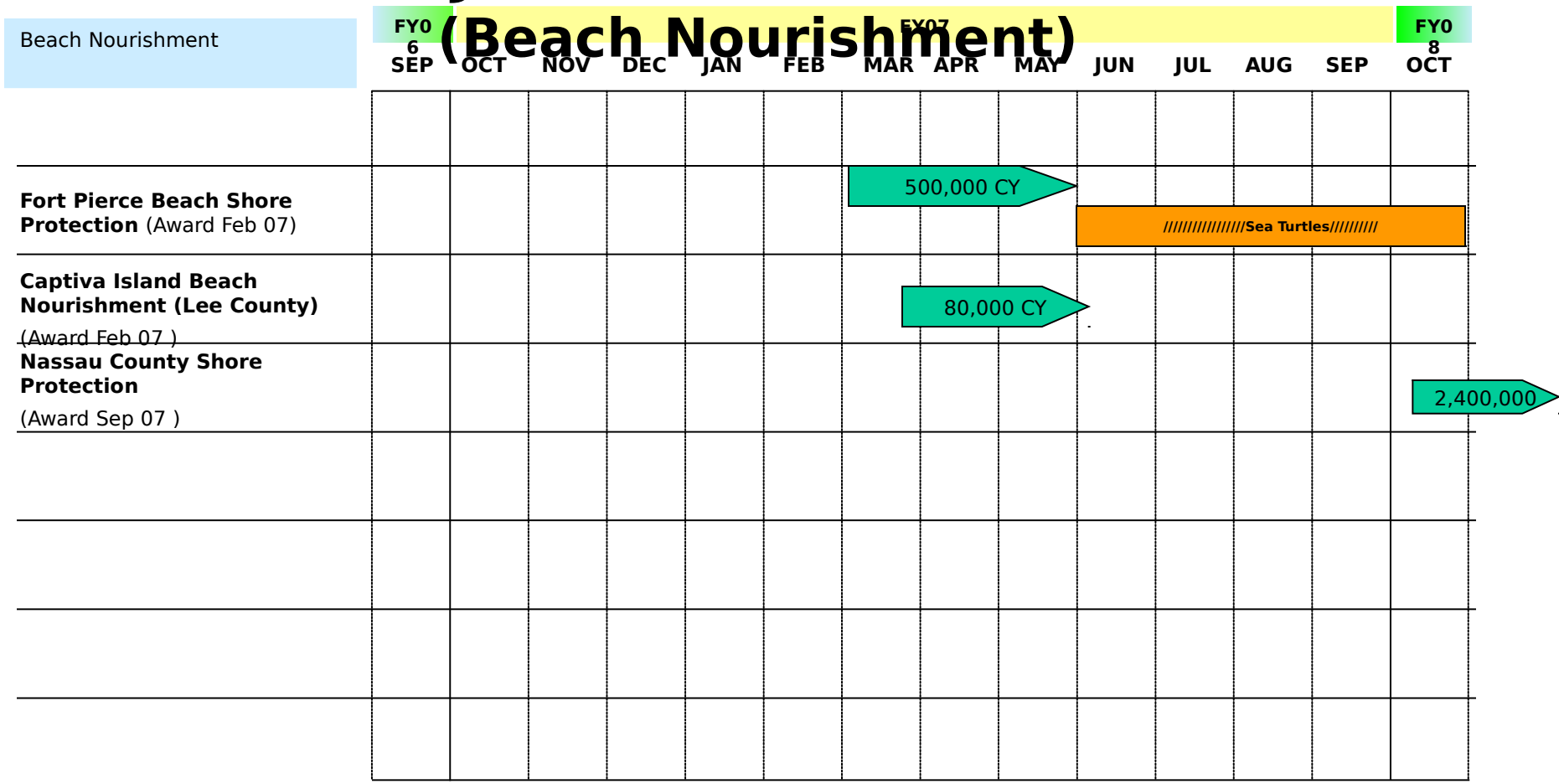
# Miami River

**Project: Miami River**

Type Work: Maintenance Dredging
Depth: 15 Feet + 2 Foot Overdepth
Width: 150 Feet
Length: Approximately 5.5 miles.
Quantity: 177,000 CY
Type of Material: Sand, Clay and silt
Placement Area: Landfill
Distance to Placement Area: 45 miles
Type of Equipment: Clamshell
Small Business Set Aside: No, unrestricted
Last Dredged: circa 1930
Environmental Window: No
FY 07 Funding: > $15M
(please note funding window is incremental over a 5 year period which began April 2004
Advertisement Date: 29

US Army Corps of Engineers ®

# Scheduled FY07 Dredging Work in Jacksonville District (Beach Nourishment)



# St. Lucie County

Fort Pierce (SPP)

**2005:** Emergency renourishment – 1.3 miles with 640,000 cy of sand

**2006:** Annual monitoring conducted and design of next renourishment initiated

**2007:** Renourishment – 1.3 miles with 500,000 cy of sand anticipated

**Project: Fort Pierce Beach Shore Protection**

Type Work: Beach Nourishment
Beach Width: 0 – 200 Feet
Length: 1.3 Miles
Quantity: 500,000 CY
Type of Material: Sand
Placement Area: Beach
Distance to Placement Area: 2.5 miles
Type of Equipment: Hopper
Small business Set Aside: No, unrestricted
Last Nourished: Spring 2005
Environmental Window: Yes, Dredging Prohibited 1 June – 31 October
Reason for window: Nesting Sea Turtles
FY 07 Funding: In place
Advertisement Date: 4 December 2006
Bid Opening Date: 17 January 2007
Award Date: 2 February 2007

GASPARILLA ISLAND

BOCA GRANDE PASS

Captiva Island (SPP)

PINE ISLAND

CAPTIVA ISLAND

ESTERO ISLAND

MATANZAS PASS

SANIBEL ISLAND

FORT MYERS BEACH

*Gulf of Mexico*

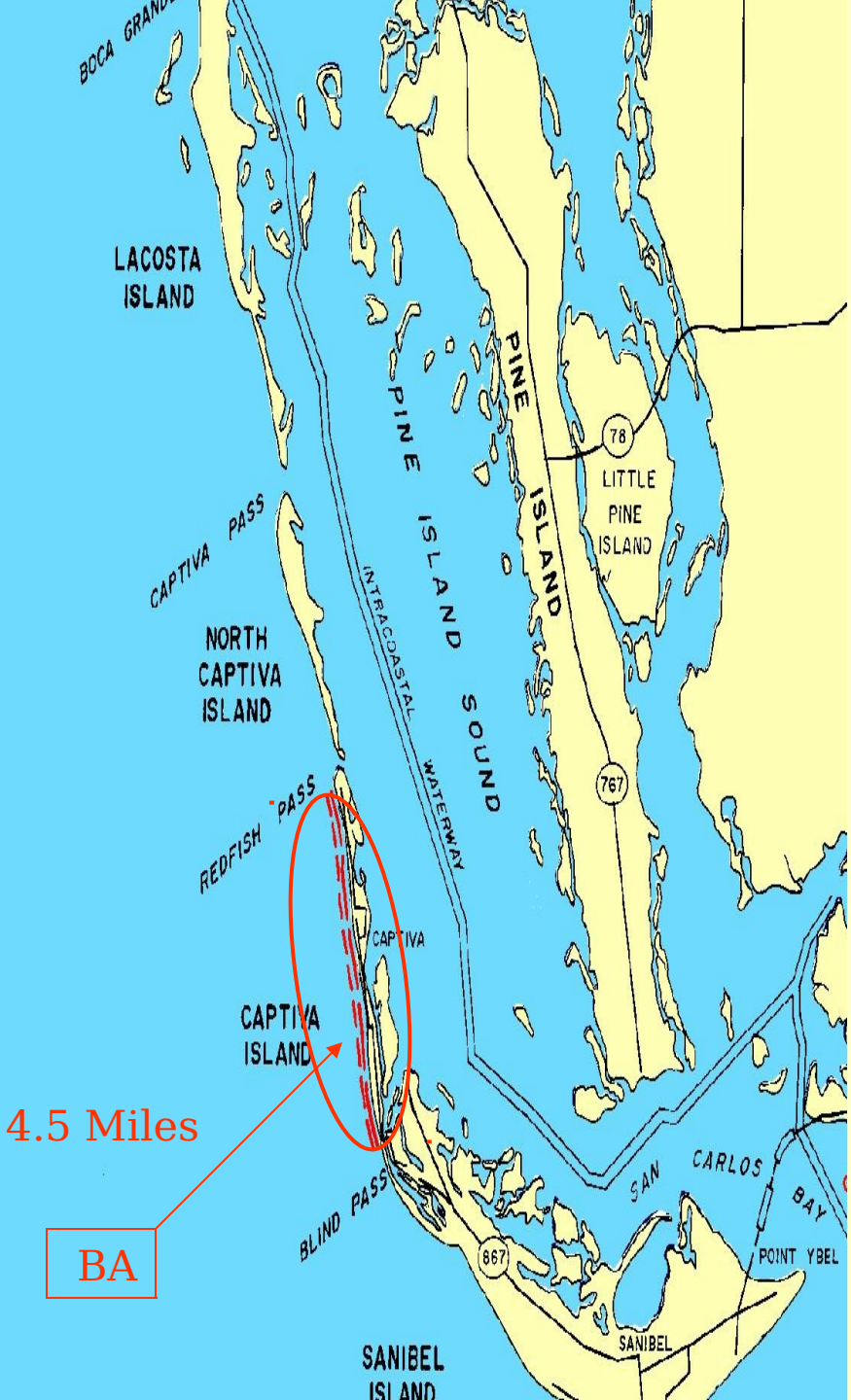
# Lee County

## Captiva Island Shore Protection Project (SPP)

2005: Emergency renourishment – 4.6 miles with 1,305,000 cy of sand

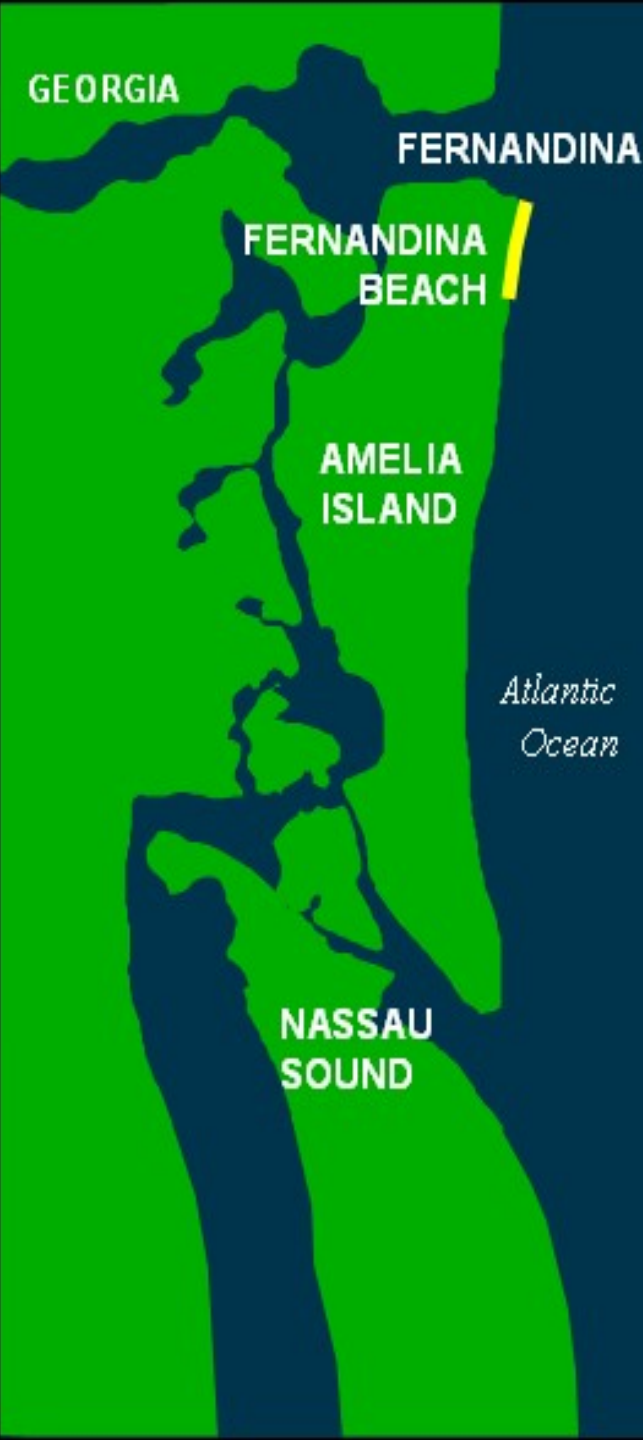
2006: Emergency renourishment completed; Annual monitoring conducted by sponsor

2007: Renourishment – 1.0 miles with of 80,000 cy anticipated




**Project: Captiva Island (BEC)**
**Vicinity of Lee County**

Type Work: Beach Nourishment
Width: 0 – 100 Feet
Length: 1.0 Miles
Quantity: 80,000 CY
Type of Material: Sand
Placement Area: Beach
Distance to Placement Area: 4 miles
Type of Equipment: Hopper
Small Business Set Aside: No, unrestricted
Last Dredged: 2005
Environmental Window: No
FY 07 Funding: in place
Advertisement Date: 18 December 2006
Bid Opening Date: 2 February 2007
Award Date: 15 February 2007
NTP Issued: 15 March 2007
Dredging Complete: 1 June 2007
Dredging Days: 45



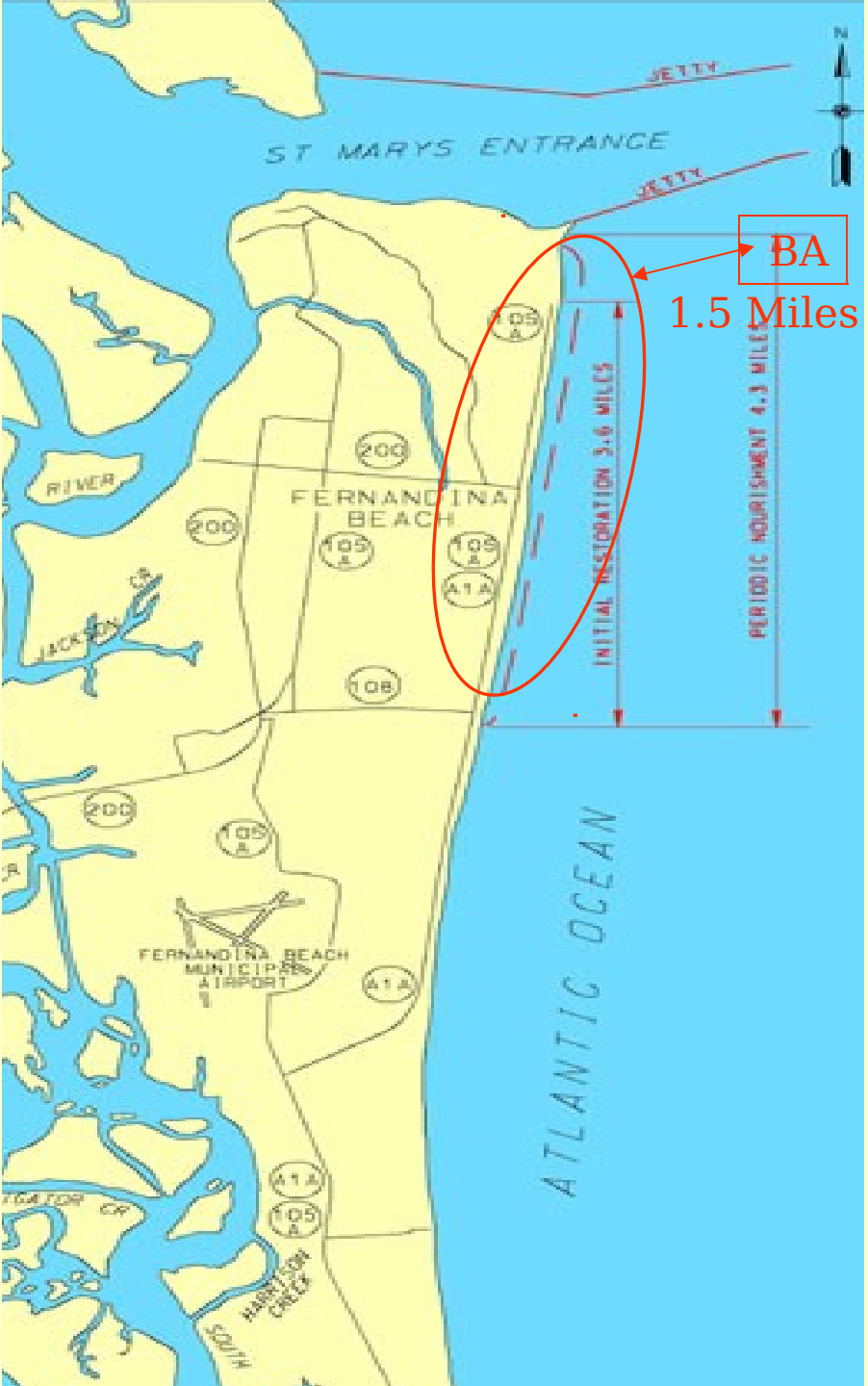

# Nassau County

Nassau County (SPP)

2005: Feasibility Report updated

2006: Report completed and approval pending; Plans and Specifications (P&S) initiated

2007: Award nourishment contract - 3.6 miles with 2.4 million cy of sand




**Project: Nassau County Shore Protection** Type Work: Beach Nourishment
Width: 150 Feet
Length: 3.6 Miles
Quantity: 2,400,000 CY
Type of Material: Sand
Placement Area: Beach
Distance to Placement Area: 1.5 Miles
Type of Equipment: Hopper/Cuttersuction
Small business Set Aside: No, unrestricted
Last Nourished: NA
Environmental Window: No
FY 07 Funding: Between $10M and $20M
Advertisement Date: 1 July 2007
Bid Opening Date: 15 August 2007
Award Date: 15 September 2007
NTP Issued: 15 October 2007

Questions?